

ಅಧಿಕೃತವಾಗಿ ಪ್ರಕಟಿಸಲಾದುದು

ಸಂಪುಟ ೧೬೦ Volume 160

ಬೆಂಗಳೂರು, ಗುರುವಾರ, ೨೩, ಜನವರಿ, ೨೦೨೫(ಮಾಘ, ೦೩, ಶಕವರ್ಷ, ೧೯೪೬)

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ಸಂಚಿಕೆ ೧೭ Issue 17

ಬಾಗ ೩

ಸರ್ಕಾರದ ಆಯಾ ಇಲಾಖೆಗಳ ಮುಖ್ಯಸ್ಥರ ಮತ್ತು ಸ್ಥಳೀಯ ಪ್ರಾಧಿಕಾರಿಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಅಧಿಸೂಚನೆಗಳು

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಾರ್ಯಾಲಯ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ.

ನಂ.ಸಿಆರ್/ಗಣಿ/ತಿ.ಮರಳು-ಬ್ಲಾಕ್/2024-25

ದಿನಾಂಕ:22/01/2025

ತಿದ್ದಪಡಿ ಮರಳು ಬ್ಲಾಕ್ ಗಳ ಅಧಿಸೂಚನೆ

ಈಗಾಗಲೇ ಹೊರಡಿಸಿರುವ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ:ಸಿಆರ್/ಗಣಿ/ಮರಳು–ಬ್ಲಾಕ್/2024–25, ದಿನಾಂಕ:09/01/2025 ರ ಭಾಗ-III ರಲ್ಲಿ ದಾವಣಗೆರೆ ಜಿಲ್ಲೆಯ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಛೇರಿ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆಯಿಂದ ಸಾಮಾನ್ಯ ಮರಳು ಗಣಿಗಾರಿಕೆ ಗುತ್ತಿಗೆ ಮಂಜೂರು ಮಾಡಲು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪತ್ರದಲ್ಲಿ ಹೊರಡಿಸಲಾಗಿರುವ ಅಧಿಸೂಚನೆಯಲ್ಲಿ ಅಕ್ಷಾಂಶ ಮತ್ತು ರೇಖಾಂಶಗಳು ತಪ್ಪಾಗಿ ನಮೂದಾಗಿದ್ದು, ತಿದ್ದುಪಡಿ ಮಾಡಲಾಗಿರುತ್ತದೆ. ತಿದ್ದುಪಡಿ ಮಾಡಲಾದ ಸದರಿ ಮಾಹಿತಿಯನ್ನು ಈ ಕೆಳಗಿನಂತೆ ಓದಿಕೊಳ್ಳತಕ್ಕದ್ದು.

ಕ್ರ ಸಂ	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
01	ಹರಿಹರ	ಗೋವಿನಹಾಳು	16	12–20	41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 57 & 58	A N 14 24 08.2 E 75 38 20.3 B N 14 23 54.1 E 75 38 17.5 C N 14 23 39.0 E 75 38 13.7 D N 14 23 39.4 E 75 38 11.9 E N 14 23 54.4 E 75 38 15.7 F N 14 24 08 .6 E 75 38 18.5	ಪರಶಿಷ್ಟ ಜಾತಿ
07	ಹರಿಹರ	ಚಿಕ್ಕಬಿದರೆ	24	12–20	4, 5, 6, 7, 8, 9 & 10.	A N 14 38 07.3 E 75 48 45.8 B N 14 37 57.1 E 75 48 45.9 C N 14 37 46.6 E 75 48 44.4 D N 14 37 46.9 E 75 48 41.8 E N 14 37 57.1 E 75 48 43.2 F N 14 38 07.1 E 75 48 42.4	ಸಾಮಾನ್ಯ

10	ಹೊನ್ನಾಳಿ	ಬೇಲಿಮಲ್ಲೂರು	15	12-20	144-156 & 163-164	A N 14' 15'35.9" E 75' 38'50.0" B N 14' 15'26.5" E 75' 38'51.8" C N 14' 15'10.7" E 75' 38'53.5" D N 14' 15'10.6" E 75' 38'51.3" E N 14' 15'26.1" E 75' 38'49.7" F N 14' 15'35.4" E 75' 38'47.9"
11	ಹರಿಹರ	ಗುತ್ತೂರು	22	12-20	21, 23, 24, 25 & 26	A N 14 33 13.2 E 75 48 44.4 B N 14 33 05.3 E 75 48 36.6 C N 14 32 54.1 E 75 48 24.1 D N 14 32 55.6 E 75 48 22.7 E N 14 33 06.6 E 75 48 35.2 F N 14 33 14.5 E 75 48 43.0
12	ಹೊನ್ನಾಳಿ	ಹಿರೇಬಾಸೂರು	10	15-00	28 & 1-6	A N 14' 11'52.9" E75' 40'11.5" B N 14' 11'47.1" E75' 40'13.6" C N 14' 11'30.6" E75' 40'23.3" D N 14' 11'25.8" E75' 40'26.8" E N 14' 11'24.4" E75' 40'25.2" F N 14' 11'29.8" E75' 40'21.4" G N 14' 11'46.3" E75' 40'11.6" H N 14' 11'52.1" E75' 40'09.6"
15	ಹೊನ್ನಾಳಿ	ಬೀರಗೊಂಡನಹಳ್ಳಿ	11	15-00	42, 43, 40, 39, 38, 37, 44 & 45	A N14' 12'25.9" E 75' 40'32.9" B N14' E 75' 12'23.3" 40'25.7" C N14' E 75' 12'10.5" 40'12.4" D N14' E 75' 11'57.9" 40'11.4" E N14' E 75' 11'58.0" 40'09.7" F N14' E 75' 12'11.3" 40'10.9" G N14' E 75' 12'24.5" 40'24.6" H N14' E 75' 12'27.5" 40'32.2"

ಮೇಲ್ಕಂಡ ತಿದ್ದುಪಡಿ ಮಾಡಲಾದ ಸಾಧಾರಣ ಮರಳಿನ ಬ್ಲಾಕ್ ಗಳನ್ನು ನಿಯಮಾನುಸಾರ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ ದಾವಣಗೆರೆ ಕಛೇರಿಯಿಂದ ಹೊಸ ಮರಳು ನೀತಿ 2020 ಹಾಗೂ 2024 ರ ಮರಳು ಇ–ಟೆಂಡರ್ ಮಾರ್ಗಸೂಚಿಗಳನ್ವಯ ಮರಳು ಗುತ್ತಿಗೆಗಳನ್ನು ಮಂಜೂರು ಮಾಡಲು ಅಧಿಸೂಚನೆ ಹೊರಡಿಸಲಾಗಿದೆ.

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿ ದಾವಣಗೆರೆ

KARNATAKA ELECTRICITY REGULATORY COMMISSION

No. 16 C-1, Miller Tank Bed Area, Vasanth Nagar, Bengaluru- 560 052.

NOTIFICATION

KERC/KEGC/2024-25/1346, Dated: 20.01.2025. DRAFT KARNATAKA ELECTRICITY GRID CODE (KEGC), 2024 CONTENTS

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Draft Karnataka Electricity Grid Code (KEGC), 2024

Preamble:

The Karnataka Electricity Regulatory Commission in exercise of the powers under clause (h) of subsection (1) of Section 86 read with clause (zp) of sub-section (2) of Section 181 of the Act had notified the Karnataka Electricity Grid Code (KEGC) 2015 on 02.02.2016. Subsequently, the Commission had issued amendment to the said Regulations based on the KPTCL's request.

The Karnataka Electricity Grid Code lays down the rules, guidelines and standards to be followed by various persons and participants in the Intra-State Transmission system to plan, develop, maintain and operate the power system, in the most secure, reliable, economic

and efficient manner, so as to meet the requirements of Integrated Operation with the Inter-State Transmission system of the Southern Regional Grid/ National Grid as per the provisions of the Indian Electricity Grid Code while facilitating healthy competition in the generation and supply of electricity.

Under clause (h) of sub-section (1) of Section 86 of the Act, the State Commissions are mandated to specify the State Grid Codes consistent with the Grid Code specified by the Central Commission under clause (h) of sub-section (1) of Section 79 of the Act. This has been duly recognized by the Hon'ble Supreme Court in its judgement dated 17.8.2007 in Civil Appeal No. 2104 of 2006 in the matter of Central Power Distribution Company & Others Vs Central Electricity Regulatory Commission.

Meanwhile, the Central Electricity Regulatory Commission had notified the IEGC 2023 on 11.07.2023 duly repealing its earlier Regulations. The Commission vide its letter dated 20.09.2023 and 11.01.2023 had directed KPTCL to propose Clause-wise amendments in line with the IEGC Regulations, 2023 duly obtaining the recommendations of Grid Code Review Panel constituted under Clause 3.3 of KEGC 2015.

Accordingly, KPTCL has submitted the revision of the Grid Code for approval of the Commission. Keeping in view the mandate and statutory framework as envisaged in the Act for stable, reliable and secure grid operation in order to achieve maximum economy and efficiency of the power system, the KEGC lays down regulations to be followed by various persons and participants to plan, develop, maintain and operate power system in the State in a secure, economic, reliable, resilient and efficient manner. The regulations provide for integration of renewable energy resources in the grid, flexible operation of energy resources, optimum scheduling & despatch, open access, promoting competition in the generation sector and various measures including reserves necessary for grid stability. It seeks to create a robust framework for maintaining demand-supply balance under credible contingencies and an enabling framework for transition to clean energy sources.

The Commission, after carefully considering the submissions made by the KPTCL and Grid Code Review panel, has decided to publish draft Karnataka Electricity Grid Code (KEGC), Regulations 2024 to invite comments / views / suggestions / objections from the stakeholders, general public and interested persons.

The Stakeholders, interested persons may file their comments / views / suggestions / objections, if any, on the Karnataka Electricity Grid Code(KEGC) Regulations, 2024, on or before 21st February, 2025, before the Secretary, KERC, # 16C-1, Millers Tank Bed Area, Vasanth Nagar, Bengaluru 560 052.

NOTIFICATION (DRAFT)

In exercise of the powers conferred under clause (h) of sub-section (1) of Section 86 read with clause (zp) of sub-section (2) of Section 181 of the Electricity Act, 2003 (36 of 2003), and all other powers enabling it in this behalf, the Karnataka Electricity Regulatory Commission hereby specifies the Grid Code as under:

Chapter -1: Preliminary

1.1. Short Title, Extent and Commencement:

- a. These Regulations shall be called the **Karnataka Electricity Regulatory**Commission (Karnataka Electricity Grid Code) Regulations, 2024.
- b. These Regulations shall come into force from the date of publication in the official Gazette of Karnataka.
- c. These regulations shall supersede the Karnataka Electricity Grid Code, 2015 read with amendments thereof.
- d. Provided further that in the absence of any provision or any condition not specified under KEGC 2024 but if covered under IEGC, such provisions of IEGC as amended from time to time shall be applicable.

1.2. Scope and Extent of Application:

These regulations shall apply to:

- a. All generators in the State connected to In-STS
- b. Transmission licensee in the State including STU
- c. Karnataka SLDC, ALDC, DCC;
- d. Distribution Licensees including Deemed Distribution Licensees, Special economic zones & Indian Railways;
- e. Open access consumers, EHV consumers connected to In-STS;
- f. All Renewable Energy generators, Solar/ wind Power Parks and RE Hybrid parks developers connected to In-STS;

g. Qualified Coordinating Agencies or Aggregator or Lead generator connected to In-STS;

Provided further that, the Commission may issue directions relieving any Transmission Licensee or User, either Suo-motu or based on an application submitted by such Transmission Licensee or User, of their obligations to implement or comply with the KEGC to the extent as may be stipulated in the directions. All Users who are connected to and/or use the In-STS shall comply with the provision of KEGC.

1.3. Structure of the KEGC:

The KEGC 2024 has been organized into the following chapters:

Chapter 1: Preliminary-This Chapter specifies the scope, definitions and application of these Regulations.

Chapter 2: Management of Grid Code and Role of Various Organizations-This chapter is to define the method of management of GRID CODE documents, encompassing all the Utilities connected to/or using In-STS and governs the relationship between various Users of In-STS, SLDC, as well as RLDC and the responsibilities of the Users to effect the change and review of the Grid Code in line with IEGC for stable operation of the Grid.

Chapter 3: Resource Planning Code-This Code deals with the planning of generation and transmission resources for reliably meeting the projected demand in compliance with specified reliability standards for serving the load with optimum generation mix with a focus on integration of environmentally benign technologies after taking into account the need, inter alia, for flexible resources, storage systems for energy shift and demand response measures for managing the intermittency and variability of renewable energy sources.

Chapter 4: Connection Code- This Code deals with Users connected to, or seeking connection to In-STS shall comply with Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, which specifies the minimum technical and design criteria and Karnataka Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2004 as amended from time to time.

Chapter 5: Commission and Commercial Operation Code- This Code specifies the minimum technical and design criteria that shall be complied by Transmission Licensee and User connected to or seeking connection with the In-STS.

Chapter 6: Operating Code- This chapter describes the operational philosophy, operational requirements, technical capabilities and procedures or methodologies to maintain secure and reliable grid operation including aspects related to real time operation, outage planning and system Restoration of In-STS. Integrated operation of the In-STS to ensure integrity, stability and resilience of the grid is to enhance the overall operational economy and reliability of the entire network spread over the geographical area of the State. As maintenance of load-generation balance is a vital aspect of reliable system operation and significant challenges are associated with increasing penetration of renewables (both wind and solar) in the Country, the chapter, thus, also deals with generation reserves estimation and frequency control. Chapter 7: Scheduling and Despatch Code- This code deals with the procedures to be adopted for scheduling of Sellers connected to In-STS and assistance in scheduling of Inter-State generating stations (ISGS) through RLDC as per IEGC and net drawal of buyers on a day ahead basis and during intra-day operation and sets down the procedure for the flow of information between SLDC and RLDC, between SLDC and sellers and between SLDC and buyers of the In-STS system.

Chapter 8: Protection Code- This code covers the protection protocol, protection settings and protection audit plan of electrical systems, the provisions related to protection requirements to safeguard the In-STS and User's systems from faults or any other grid disturbance.

Chapter 9: Cyber Security and communication Code- This code deals with measures to be taken to safeguard the State grid from spyware, malware, cyber-attacks, network hacking, procedure for security audit from time to time, upgradation of system requirements and keeping abreast of latest developments in the area of cyber-attacks and cyber security requirements and provides for planning, implementation, operation and maintenance and up- gradation of the reliable communication system for all communication requirements including the exchange of data for integrated operation of State Grid.

Chapter 10: Monitoring and Compliance Code- This code deals with monitoring of compliance of these regulations by various entities in the grid by Grid Code Review Panel, STU, SLDC or any other person, and manner of reporting the instances of violations of these regulations and taking remedial steps or initiating appropriate action.

Chapter 11: Miscellaneous- This code specifies the miscellaneous aspects such as the power to amend, the power to remove difficulties and dispute resolution etc. and other miscellaneous provisions.

1.4. Definitions:

In these regulations unless the context otherwise requires:

SI.	Particulars	Definition
No.	i dilicoldis	Deminion
1	Act	the Electricity Act, 2003 (36 of 2003) as amended from time to
ļ .	7.6.	time;
2	Alert state	the state in which the operational parameters of the power
	3	system are within their respective operational limits, but a single
		N-1 contingency leads to violation of system security;
3	Appropriate Load	'National Load Despatch Centre' (NLDC) or 'Regional Load
	Despatch Centre	Despatch Centre' (RLDC) or the 'State Load Despatch Centre'
		(SLDC) which includes any 'Area Load Despatch Centre' (ALDC)
		attached to SLDC as the case may be;
4	Appropriate Transmission	the 'Central Transmission Utility' (CTU) or the 'State Transmission
	Utility	Utility' (STU), as the case may be;
5	Area Load Despatch	the centre as established by the STU to carry out the instructions
	Centre (ALDC)	of SLDC for controlling system operation in its jurisdiction and
		performing all duties assigned to it as stated in this Karnataka
		Electricity Regulatory Commission Grid Code (KEGC);
6	Automated Meter	the scheme to automate the task of data collection from each
	Reading System (AMR)	meter / location to Meter Data Acquisition System (MDAS) at the
		central location
7	Automatic Generation	a mechanism that automatically adjusts the generation of a
	Control (AGC)	control area to maintain its interchange schedule plus its share of
		frequency response;
8	Automatic Voltage	a continuously acting automatic excitation control system to
	Regulator (AVR)	control the voltage of a generating unit measured at the
	Available Transfer	generator terminals;
9	Available Transfer	available power transfer capability between ISTS and State
	Capability (ATC)	network or between STU & Distribution Licensee network declared by the concerned load despatch center for
		scheduling transactions in a specific direction with due
		consideration for the network security. Mathematically, ATC is
		the Total Transfer Capability less Transmission Reliability Margin;
<u> </u>		The form hansier capability less transitional reliability Margin,

10	Ancillary Services	in relation to power system operation, means the services
	,	necessary to support the grid operation in maintaining power
		quality, reliability and security of the grid and includes Primary
		Reserve Ancillary Service, Secondary Reserve Ancillary Service,
		Tertiary Reserve Ancillary Service, active power support for load
		following, reactive power support, black start and such other
		services as defined in these regulations;
11	Ancillary Services	Means the Central Electricity Regulatory Commission (Ancillary
	Regulations (AS Regulations)	Services) Regulations, 2022; These Regulations shall be applicable to In-STS till appropriate regulation on Ancillary Services Regulations is framed by the Karnataka Electricity Regulatory Commission (KERC);
12	Auxiliary Energy	in relation to a period in case of a generating station means the
	Consumption" or 'AUX'	quantum of energy consumed by auxiliary equipment of the
	•	generating station, such as the equipment being used for the
		purpose of operating plant and machinery including switchyard
		of the generating station and the transformer losses within the
		generating station, expressed as a percentage of the sum of
		gross energy generated at the generator terminals of all the units
		of the generating station; Provided that auxiliary energy
		consumption shall not include energy consumed for supply of
		power to housing colony and other facilities at the generating
		station and the power consumed for construction works at the
		generating station and integrated coal mine; Provided further
		that auxiliary energy consumption for compliance of revised
		emission standards, sewage treatment plant and external coal handling plant (jetty and associated infrastructure) shall be
		considered separately;
13	Backing Down	reduction of generation by a generating unit on instructions from
		SLDC/ SRLDC;
14	Beneficiary	a licensee who has a share in an Inter-State Generating Station
	•	(ISGS) and/or Intra-State Generating Station (In-SGS);
15	Bilateral Transaction	a transaction, other than collective transaction, for exchange of
		power between a specified buyer and a specified seller directly
		or through a trading licensee or at a Power Exchange;
16	Black Start Procedure	the procedure necessary to recover the grid from partial or a
		total blackout in the State;
17	Blackout State	a condition at a specific time where a part or all the operations
		of the power system have got suspended;
18	Bulk Consumer	Shall have the same meaning as defined in CEA technical
10	B	standards for connectivity;
19	Buyer	a person, including distribution licensee, deemed distribution
		licensees, open access consumer, purchasing electricity through
		a transaction scheduled in accordance with the Regulations
20	Captive Power Plant	applicable for STOA, MTOA, LTOA, GNA & T-GNA;
20	Captive Power Plant	a Power Plant set up by any person to generate electricity primarily for his own use and includes a power plant set up by
		any co- operative society or association of persons for
		generating electricity primarily for use of members of such co-
<u></u>	<u> </u>	generaling electricity printially for use of members of such co-

		operative society or association satisfying the criteria specified by MoP/GoI;
21	CERC or Central Commission	the Central Electricity Regulatory Commission constituted under section 76 (1) of the Electricity Act 2003;
22	CEA	The Central Electricity Authority of India (CEA) is a statutory organization constituted under section 70(1) of the Electricity Act 2003;
23	Central Generating Station (CGS)	the generating station owned by the companies that are owned or controlled by the Central Government;
24	CEA Grid Standards	the Central Electricity Authority (Grid Standards) Regulations, 2010;
25	CEA Technical Standards for Communication	the Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020;
26	CEA Technical Standards for Connectivity	the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007;
27	CEA Technical Standards for Construction	the Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022;
28	Check Meter	a meter, which shall be connected to the same core of the Current Transformer (CT) and Voltage Transformer (VT) to which main meter is connected and shall be used for accounting and billing of electricity in case of failure of main meter;
29	Cold Start	in relation to steam turbine means start up after a shutdown period exceeding 72 hours (turbine metal temperatures below approximately 40% of their full load values);
30	Collective Transaction	a set of transactions discovered in power exchange through anonymous, simultaneous competitive bidding by buyers and sellers;
31	Communication System	a collection of individual communication networks, communication media, relaying stations, tributary stations, terminal equipment usually capable of inter-connection and inter-operation to form an integrated communication backbone for power sector. It also includes existing communication system of Intra State and Inter State Transmission System, Satellite and Radio Communication System and their auxiliary power supply system, etc. used for regulation of intra-State and inter-State transmission of electricity;
32	Congestion	a situation where the demand for transmission capacity or power flow on any transmission corridor exceeds its Available Transfer Capability;
33	Connection Agreement	an Agreement between STU, intra-State transmission licensee(s) other than STU (if any) and any person setting out the terms relating to a connection to and/or use of the Intra- State Transmission System;

34	Connection Point	a point at which a plant (generating station or a substation or bulk consumer) and associated equipment connects to the Transmission System;
35	Connectivity	the state of getting connected to the Intra-State transmission system by a generating station, including a captive generating plant, a bulk consumer or Intra-State transmission licensee;
36	Central Transmission Utility (CTU)	any Government Company which the Central Government may so notify under sub-section (1) of Section 38 of the Act;
37	Control Area	an electrical system bounded by interconnections (tie lines), metering and telemetry which controls its generation and/or load to maintain its interchange schedule with other control areas whenever required to do so and contributes to frequency regulation of the synchronously operating system;
38	Data Acquisition System (DAS)	a system for recording the sequence of operation in time, of the relays or equipment as well as the measurement of pre-selected system parameters;
39	Declared Capacity (DC)	in relation to a generating station means, the capability to deliver ex-bus electricity in MW declared by such generating station in relation to any time-block of the day as defined in the Grid Code or whole of the day, duly taking into account the availability of fuel or water, and subject to further qualification as per provisions of these Regulations;
40	Demand	the demand of Power in MVA, Active Power in MW and Reactive Power in MVAr of electricity unless otherwise stated;
41	Demand Response	variation in electricity usage by the end consumers or by a control area manually or automatically, on standalone or aggregated basis, in response to the system requirements as identified by the State load Despatch centre;
42	Despatch Schedule	the ex-power plant net MW and MWh output of a generating station, for a time block, scheduled to be injected to the Grid from time to time;
43	Deviation	in a time-block for a seller means its total actual injection minus its total scheduled generation and for a buyer means its total actual drawal minus its total scheduled drawal;
44	Device Language Message Specification (DLMS)	the objective to provide an interoperable environment for structured modelling and meter data exchange. Applications like remote meter reading, remote control, and value-added services for metering any kind of energy like electricity are supported;
45	Distribution Licence	a Licence granted under Section 14 of the Act to distribute electricity;
46	Disturbance Recorder (DR)	a device provided to record the behavior of the preselected digital and analog values of the system parameters during an event (including a few cycles of pre-fault condition);
47	Drawal Schedule	the summation of the station-wise ex-power plant drawal schedules from all ISGS and In-SGS and drawal from / injection into the Distribution Licensee area (State grid) consequent to open access transactions;

48	Emergency State	the state in which one or more operational parameters are outside their operating limit or many of the equipment connected to the grid are operating above their respective loading limit;
49	Energy Storage System" or 'ESS'	in relation to the electricity system, means a facility where electrical energy is converted into any form of energy which can be stored, and subsequently reconverted into electrical energy and injected back into the grid;
50	Event	an unscheduled or unplanned occurrence on a Grid including faults, incidents and breakdowns;
51	Event Logging Facilities	a device provided to record the chronological sequence of operation, of the relays and other equipment;
52	Ex-Power Plant Schedule	net MW/MWh output of a generating station, after deducting auxiliary consumption and transformation losses within the generating station;
53	Fault Locator (FL)	a device provided at the end of a transmission line to measure/indicate the distance at which a line fault may have occurred;
54	Flat frequency control	a mechanism for correcting ACE by factoring in only the frequency deviation and ignoring the deviation of net actual interchange from net scheduled interchange;
55	Flat tie-line control	a mechanism for correcting ACE by factoring in only the deviation of net actual interchange from net scheduled interchange ignoring frequency deviation;
56	Flexible Alternating Current Transmission System" (FACTS)	a power electronics-based system and other static equipment that provide control of one or more AC transmission system parameters to improve power system stability, enhance controllability and increase power transfer capability of transmission systems;
57	Force Majeure	any event which is beyond the control of the persons involved which they could not foresee or with a reasonable amount of diligence could not have foreseen or which could not be prevented and which substantially affects the performance by a person such as the following including but not limited to: Acts of God, natural phenomena, floods, droughts, earthquakes and epidemics; Enemy acts of any Government domestic or foreign, war declared or undeclared, hostilities, priorities, quarantines, embargoes; Riot or Civil Commotion; Grid failure not attributable to the person.
58	Forced Outage	an outage of a generating unit or a transmission/Major distribution facility due to a fault or any other reasons which have not been planned;
59	Free Governor Mode of Operation	the mode of operation of governor where machines are loaded or unloaded directly in response to grid frequency i.e., machine unloads when grid frequency is more than 50 Hz and loads when grid frequency is less than 50 Hz. The amount of loading or unloading is proportional to the governor droop.

60	Frequency Response Obligation (FRO)	the minimum frequency response a control area has to provide in the event of any frequency deviation;
61	Frequency Response Performance (FRP)	the ratio of actual frequency response with frequency response obligation;
62	Frequency Stability	the ability of the transmission system to maintain stable
		frequency in the normal state and after being subjected to a disturbance;
63	Gaming	in relation to this Code, shall mean an intentional mis-declaration of declared capacity by any Seller or intentional mis-declaration of drawal schedule by any Buyer in order to make an undue
		commercial gain through Charge for Deviations;
64	Gate Closure	the time at which the bidding for a specific delivery period closes
04	Guie Closofe	at the power exchange and no further bidding or modification of already placed bids can take place for the said delivery period.
65	Generating Unit Good Utility Practices	 a. an unit of a generating station (other than those covered in sub-clauses (b) and (c) of this clause) having electrical generator coupled to a prime mover within a power station together with all plant and apparatus at the power station which relate exclusively to operation of that turbo-generator; b. an inverter along with associated photovoltaic modules and other equipment in respect of generating station based on solar photo voltaic technology; c. a wind turbine generator with associated equipment, in respect of generating station based on wind energy; d. in respect of Renewable Hybrid Generating Station (RHGS), combination of hydro generator under sub-clause (a); or solar generator under sub-clause (b) or wind generator under subclause (c) of this clause; any of the practices, methods and acts engaged in or approved by a significant portion of the electric utility industry during the
		relevant time period which could have been expected to accomplish the desired results at a reasonable cost consistent
		with good business practices, reliably, safely and with expedition;
67	Governor Droop	in relation to the operation of the governor of a Generating Unit,
		the percentage drop in system frequency which would cause
		the Generating Unit under restricted or free governor action to
		change its output from zero to full load;
68	Grid	the high voltage backbone system of inter-connected transmission lines, sub-stations and generating plants;
69	Grid Security	the power system's capability to retain a normal state or to return
		to a normal state as soon as possible, and which is characterized
70	Grid Standards	the standards specified by the Authority (CEA) under clause (d) of the Section 73 of the Act:
71	Hot Start	· · · · · · · · · · · · · · · · · · ·
, ,	noi oran	period of less than 10 hours (turbine metal temperatures below approximately 80% of their full load values);
69	Grid Security	the Generating Unit under restricted or free governor action change its output from zero to full load; the high voltage backbone system of inter-connected transmission lines, sub-stations and generating plants; the power system's capability to retain a normal state or to retain a normal state as soon as possible, and which is characterized by operational security limits; the standards specified by the Authority (CEA) under clause (of the Section 73 of the Act; in relation to steam turbine, means the start up after a shutdow period of less than 10 hours (turbine metal temperatures below

a generating company not owned/controlled by the Central/State Government or not a captive power plant (CPP);
the grid code specified by the CERC under sub section 1(h) of Section 79 of the Act; as amended from time to time;
Those standards and specifications approved by the Bureau of Indian Standards (BIS);
the contribution to the capability of the power system to resist changes in frequency by means of an inertial response from a generating unit, network element or other equipment that is coupled with the power system and synchronized to the frequency of the power system;
the electricity injected into the grid prior to the date of commercial operation of a unit of the generating station;
the summation of the name plate capacities of all the units of the generating station or the capacity of the generating station as approved by the Commission from time to time (reckoned at the generator terminals) complying with the CEA Regulations;
the 'Current Transformer' (CT), 'Voltage Transformer' (VT) and 'Capacitor Voltage Transformer' (CVT);
Transformers connecting lines of different voltage;
 includes any system for the conveyance of electricity by means of a main transmission line from the territory of one State to another State: i. The conveyance of electricity across the territory of an intervening State as well as conveyance within the State which is incidental to such inter-state transmission of energy; ii. The transmission of electricity within the territory of the State on a system built, owned, operated, maintained or controlled by CTU;
a meter complying to CEA/CERC/KERC Regulations used for accounting and billing of electricity, connected at the point of interconnection between electrical systems of generating company, licensee and consumers directly connected to the Inter-State Transmission System or In-STS, and have been permitted open access by the Appropriate Commission;
a Central Sector/other generating station in which two or more than two States have a share and whose scheduling is to be coordinated by RLDC;
a generating station connected to intra-State Transmission System whose scheduling is to be coordinated by SLDC;
a person whose metering is done either by the State Transmission Utility or the Distribution Licensee, as the case may be, and energy accounting is done by the State Load Despatch Centre or any other agency so authorized by the Commission;
a system of Transmission Lines and substations built, owned, operated and maintained or controlled by the STU or a

		<u> </u>	
		transmission licensee for conveyance of electricity within the territory of the State excluding ISTS;	
86	Karnataka Electricity Grid Code (KEGC)	the grid code specified by the KERC under sub section 1(h) of Section 86 of the Act; as amended from time to time;	
87	Karnataka State Energy	the energy account of users within the State including	
	Account (KSEA)	transmission account, other accounts in compliance to	
	, ,	KEGC/KERC Regulations/State Government directives prepared	
		by KSLDC or any other entity assigned by State Government;	
88	Karnataka State Load	the Centre established under sub-section (1) of Section 31 of the	
	Despatch Centre (SLDC)	Act;	
89	Load	the active, reactive or apparent power consumed by a	
		utility/installation of consumer;	
90	Long –term Access	the right to use the intra-State transmission and distribution system	
		as defined in the KERC (Open Access) Regulations, 2004, as	
		amended from time to time;	
91	Long-term customer	a person who has been granted long-term access in the State;	
92	Main Meter	a meter, which would primarily be used for accounting and	
		billing of electricity;	
93	Main Protection	the protection equipment or system expected to have priority in initiating either a fault clearance or an action to terminate an	
		abnormal condition in the power system;	
94	Maximum Continuous	the maximum continuous output in MW at the generator	
	Rating (MCR)	terminals guaranteed by the manufacturer at rated parameters;	
95	Medium-term Open	the right to use intra- State transmission and distribution system	
	Access	from any generating station for a period specified in KERC (Terms	
		& Conditions for Open Access) or any other regulations;	
96	Medium-term customer	a person who has been granted a medium-term open access;	
97	Merit Order	the order of ranking of available electricity generation in	
		ascending order from least energy charge to highest energy	
		charge to be used for deciding despatch instructions to minimize	
		the overall cost of generation;	
98	Meter Data Processing	data validation, processing, and generation of customized	
	(MDP)	reports of received data manually or through from AMR at SLDC;	
99	Minimum Turndown Level	the minimum output power expressed in percentage of	
		maximum continuous power rating that the generating unit can	
		sustain continuously; to be on bar and includes minimum power	
		level as defined in CEA (Flexible Operation of Coal based	
		Thermal Power Generating Units) Regulations, 2023, as amended	
		from time to time.	
100			
100	Nadir Frequency	minimum frequency after a contingency in case of generation	
		loss and maximum frequency after a contingency in case of load	
101	National Crist	loss;	
101	National Grid	the entire inter-connected electric power network of the	
100	country;		
102	Net Drawal Schedule	the drawal schedule of a Distribution Licensee and any other	
		Entity directly connected to In-STS after deducting the	
		apportioned transmission losses (estimated);	
103	NLDC	the National Load Despatch Centre established under	
		subsection (1) of Section 26 of the Act;	

104	Near Miss Event	an incident of multiple failures that has the potential to cause a grid disturbance, power failure or partial collapse but does not result in a grid disturbance;
105	Normal State	the state in which the operational parameters of the power system are within their respective operational limits and equipment are within their respective loading limits;
106	Off-Bar Declared Capability	the difference between Declared Capacity and On-Bar Declared Capacity in MW;
107	On-Bar Declared Capacity	in relation to a generating station means the capability to deliver ex-bus electricity in MW from the units on-bar declared by such generating station in relation to any time block of the day or whole of the day, duly taking into account the availability of fuel and water and subject to further qualification in the relevant regulations;
108	the summation of name plate capacities or the capacities approved by the Commission from time to time, of all units of generating station in MW which are on-bar. In case a combined cycle module of a gas or liquid fuel-based station the installed capacity of steam turbine shall be in proportion the on-bar capacity of gas turbines of the module;	
109	Open Access	the non-discriminatory provision for the use of transmission lines or distribution system or associated facility with such lines or system by any licensee or consumer or a person engaged in generation in accordance with the regulations specified by the Commission;
110	Operation Coordination Committee (OCC)	a sub-committee under Regulation 2.4 of these regulations with members from all the intra-state entities which decide the operational aspects of the state Grid;
operator including frequency,		the parameters for system security as specified by the system operator including frequency, voltage at station-bus, angular separation, damping ratio, short circuit level, inertia;
112	Outage	a total or partial reduction in availability due to repair and maintenance of the transmission or distribution or generation facility or defects in the auxiliary system;
113	Partial Grid Disturbances	a shutdown of part of the system, resulting in failure of power supply to that part of the system;
114	Peak Load	the simultaneous maximum demand of the system occurring under specific time duration (e.g. annual, monthly, daily etc.);
115	Person	shall include any company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person;
116		
117	Power System	all aspects of generation, transmission, distribution and supply of electricity and includes one or more of the following, namely; (a) Generating stations; (b) Transmission or main transmission lines; (c) Sub-stations; (d) Tie-lines; (e) Load despatch activities;

		(f) Mains or distribution mains;	
	(g) Electric supply lines;		
		(h) Overhead lines;	
		(i) Service lines;	
118	Primary Reserve	(j) Works; the maximum quantum of power which will immediately come	
110	Fillidly Reserve		
		into service through governor action of the generator or	
		frequency controller or through any other resource in the event	
		of sudden change in frequency as specified in these regulations;	
119	Protection and	a sub-committee under Regulation 2.4 of these regulations with	
	Communication	members from all the intra-state entities which decide the	
	Coordination Committee	Protection & Communication aspects of the state Grid;	
120	(PCCC) Qualified Coordinating	the agency appointed by the Wind or Solar Energy Generators	
120	Agency (QCA)	connected to a Pooling Sub-Station, or by an individual	
	Agency (QCA)	Generator connected directly to a Sub-Station, to perform the	
		functions and discharge the obligations specified in the KERC	
		(Forecasting, Scheduling and Deviation Settlement for Solar and	
		Wind Generation) Regulations 2015 as amended from time to	
		time.	
121	Ramp Rate	the rate of change of output power of a generating station,	
		expressed in percentage of maximum continuous power rating,	
	per minute		
122	Reactive Power	the product of root mean square (rms) voltage, root mean	
		square (rms) current and the sine of the electrical phase angle	
		between the voltage complex and current complex, measured	
		in 'Volt – ampere reactive' (VAr) and in standard multiples	
		thereof;	
123	Regional Grid	the high voltage backbone system of interconnected	
		transmission lines, sub-stations and generating plants in a region;	
124	Regional Power	a Committee established by resolution by the Central	
	Committee (RPC)	Government for a specific region for facilitating the integrated	
	()	operation of the power systems in that region;	
125	Regional Energy Account	account of energy and other parameters issued by the	
	or REA	respective RPC for the purpose of billing and settlement of	
		charges of ISGS and other users of the concerned region;	
126	Regional Entity	the entity which is in the RLDC control area and whose metering	
		and energy accounting is done at the regional level;	
127	Rate of Change of	the time derivative of the power system frequency which	
	Frequency or df/dt	negates short term transients and therefore reflects the actual	
		change in synchronous network frequency;	
128	Restorative State	a condition in which control action is being taken to reconnect	
		the system elements and to restore system load;	
129	Regional Transmission	Transmission accounts of transmission issued by the RPC for the purpose of	
	Account or RTA	billing and settlement of transmission charges of ISTS in the	
		concerned region in accordance with the Sharing Regulations;	
130	Renewable Energy	means a generating station based on a renewable source of	
	Generating Station or	energy with or without Energy Storage System and shall include	
	REGS	Renewable Hybrid Generating Station;	
<u> </u>		Notionable Hybrid Corloraling Stallott,	

131	Resilience	the ability to withstand and reduce the magnitude or duration of disruptive events, which includes the capability to anticipate, absorb, adapt to, or rapidly recover from such an event.
132	Secondary Reserve	the maximum quantum of power which can be activated through secondary control signal by which injection or drawal or consumption of an SRAS provider is adjusted in accordance with Ancillary Service Regulations;
133	Secondary Reserve	the Ancillary Service comprising SRAS-Up and SRAS-Down, which
	Ancillary Service or SRAS	is activated and deployed through secondary control signals;
134	Secondary Reserve	an entity which provides SRAS-Up or SRAS-Down service in
	Ancillary Service Provider	accordance with Ancillary Service Regulations;
	or SRAS Provider	associatios minimaly solvies registations,
135	Scheduled Drawal	at any time or for a time block or any period means schedule of
		drawal for Buyer in MW or MWh given by the concerned Load Despatch Centre;
136	Scheduled Generation	at any time or for a time block or any period means schedule of generation in MW or MWh ex-bus given by the concerned Load Despatch Centre;
137	Seller	a person, including a generating station or unit of generating station, supplying electricity through a transaction scheduled in accordance with the Regulations applicable for STOA, MTOA, LTOA, GNA and T-GNA;
138	Share	percentage share of a beneficiary in an ISGS/In-SGS either notified by Government of India/State Government or agreed through contracts as the case may be, and implemented through long term/medium term access or through GNA/T-GNA;
139	Short Term Open Access	the right to use intra- State transmission and distribution system from any generating station for a period specified in KERC (Terms & Conditions for Open Access) or any other regulations.
140	Special Energy Meters	as per CEA metering Regulations and amendments thereon such meters, of not less than 0.2S class accuracy, as are capable of:
		 Recording time-differentiated measurements of active energy and voltage differentiated measurement of reactive energy, at intervals of fifteen (15) minutes, and five (5) minutes;
		ii. On site configuration for 15 min. or 5 min. interval whichever is applicable. Meter configuration/programming shall be carried out by authorized representative of STU only.
		iii. storing such measurements for not less than fifteen (15) days for 5 min. interval and forty-five (45) days for 15 min. interval;
		 iv. communication of such measurements at such intervals as may be required by the SLDC for balancing and settlement of energy transactions;
141	Standby Meter	a meter connected to CT and VT or CVT, other than those used for main meter and check meter and shall be used for accounting and billing of Electricity in case of failure of both main meter and check meter;

142	State Commission or Commission	Karnataka Electricity Regulatory Commission (KERC) established under sub-section (1) of Section 82 of the Act;
143	State Grid	synchronous grid inter-connecting generators, load centres and intra-state transmission lines in the State;
144	State Periphery	the periphery of electrical power system and its components thereof under operational supervision and under control area jurisdiction of SLDC covering In-STS;
145	State Transmission Utility (STU)	the Government Company specified as such by the State Government under sub-section (1) of Section 39 of the Act;
146	Static VAR Compensator (SVC) or STATIC synchronous COMPENSATOR (STATCOM)	an electrical facility designed for the purpose of dynamically generating or absorbing Reactive Power;
147	Supplier	any generating company or licensee from whose system electricity flows into the system of another generating company or licensee or consumer;
148	Supervisory Control and Data Acquisition (SCADA)	the communication links and data processing systems which provide information to enable implementation of requisite supervisory and control access.
149	Surge Impedance Loading	the unity power factor load over a resistive line such that series reactive loss (I2X) along the line is equal to shunt capacitive gain (V2Y);
150	System Constraint	a situation in which there is a need to prepare and activate a remedial action in order to respect operational security limits;
151	System State	the operational state of the power system in relation to the operational security limits which can be normal state, alert state, emergency state, extreme emergency state and restorative state;
152	Tertiary Reserve	the quantum of power which can be activated in order to take care of contingencies and to cater to the need for replacing secondary reserves;
153	Tie-line bias control	a mechanism of correcting ACE by factoring in deviation of net actual interchange from net scheduled interchange as well as frequency deviation;
154	Time Block	block of 15 minutes or any such shorter duration as may be notified by Central Commission or State Commission for which specified electrical parameters and quantities are recorded by Special Energy Meters with first time block starting from 00.00 hours;
155	Time of the Day (TOD) Meter	a meter suitable for recording and indicating consumption of electricity during specified time periods of the day
156	Total Transfer Capability (ΠC)	the amount of electric power that can be transferred reliably by the In-STS under a given set of operating conditions;
157	Trader	a person who is granted a licence to undertake trading of electricity;

158	Transmission Licence	a Licence granted under Section 14 of the Electricity Act, 2003
		to transmit electricity;
159	Transmission Planning	the policy, standards and guidelines issued by the CEA for the
	Criteria	planning and design of the Transmission system;
160	Transmission Reliability	the amount of margin earmarked in the total transfer capability
	Margin or TRM	to ensure that the interconnected transmission network is secure under a reasonable range of uncertainties in system conditions;
161	Under Frequency Relay	a relay which operates when the system frequency falls below a
	(UFR)	specified limit and initiates load curtailment;
162	User	and includes generating company, captive generating plant,
		energy storage system, transmission licensee including deemed
		transmission licensee, distribution licensee, solar park developer,
		wind park developer, wind- solar photo voltaic hybrid system, or
		bulk consumer which is or whose electrical plant is connected to
		the grid at voltage level 33 kV and above;
163	Voltage Stability	the ability of a transmission system to maintain steady
		acceptable voltages at all nodes in the transmission system in the
		normal situation and after being subjected to a disturbance;
164	Warm Start the startup after a shutdown period between 10 hours a	
		hours (turbine metal temperatures between approximately 40%
		to 80% of their full load values) in relation to steam turbine;

Note:

- 1. Words and expressions used in these Regulations and not defined, but defined in the Act, or the CERC (Indian Electricity Grid Code) Regulations or Regulations of the Central Electricity Authority or any other Regulations of this Commission.
- 2. Reference to any Acts, Rules and any other Regulations include amendments or consolidation or re-enactment thereof.

Chapter- 2: Management of Grid Code and Role of Various Organizations

2.1 General:

This chapter is to define the method of management of GRID CODE documents, encompassing all the intra state entity(ies) connected to/or using In-STS and governs the relationship between various Users of In-STS, SLDC, as well as RLDC and the responsibilities of the Users to effect the change and review of the Grid Code in line with IEGC for stable operation of the Grid.

The objectives of these Regulations are:

a. Documentation of principles and procedures which define the relationship between various Users of In-STS, ISTS, SLDC as well as RLDC and NLDC to promote coordination amongst all Users, STU, SLDC, CTU, RLDC, NLDC, RPC and CEA in any proposed development of the In-STS and ISTS.

- b. Facilitation of optimal operation of the grid, facilitation of coordinated and optimal maintenance planning of generation and transmission facilities in the grid and facilitation of development and planning of economic and reliable State Grid.
- c. By specifying optimum design and operational criteria to assist Users in their requirement to comply with technical and operational requirement and hence ensure that a system of acceptable quality is maintained.
- d. To manage a coordinated generation and transmission outage programme for the State/Regional grid, considering all the available resources and considering transmission constraints, as well as, irrigational requirements. To minimize surplus or deficits, if any, to operate the system within Security limits.
- e. To set out and define the various procedures/mechanisms in line with IEGC, CERC DSM Regulations, State DSM regulations, other CERC/KERC Regulations and provisions of these Regulations such as Declared Capacity (DC) Demonstration, Commercial Operation Date (COD) declaration procedure, Reactive Power Pricing Mechanism and implementation of revised technical minimum.
- f. To improve cooperation by providing a mechanism for clear and consistent disclosure of all applicable/ mandated information and establishment of the strong communication mechanism between STU, SLDC, ALDC, DCC, Transmission Licensees and In-STS Users.
- g. To facilitate large-scale grid integration of Renewable Energy (RE)/RE hybrid while maintaining the grid stability and security envisaged under the KEGC through estimating, scheduling, and deviation settlement.
- h. To set out a mechanism for accounting and settlement of Reactive Energy Charges in the State in line with provisions of these Regulations as amended from time to time.

2.2 Constitution of Grid Code Review Panel:

1. STU is required to implement and comply with the Grid Code and periodically review the same and its implementation.

A Grid Code Review Panel shall be re-constituted by STU within two months from the date of notification of these Regulations.

Provided further that, the Grid Code Review Panel constituted under KEGC,2015 shall continue to function till a new Grid Code Review Panel is constituted under these Regulations.

The Chairperson of the Grid Code Review Panel shall be Director (Transmission), STU. The Panel shall consist of the following members:

Chairperson & Members	Representative
hairperson	Director (Transmission) of STU
ember Secretary & Convener	Chief Engineer, Planning & Coordination, STU.
	 a. Chief Engineer or Executive Director, SLDC. b. Chief Engineer or General Manager of the Karnataka Power Corporation Limited (KPCL). c. Senior representative from the Southern Regional Power Committee (SRPC). d. Representative at senior executive level from the National Thermal Power Corporation Limited (NTPC). e. Representative at senior executive level from the Neyveli Lignite Corporation India Limited (NLCIL). f. Representative at senior executive level from the Karnataka Renewable Energy Development Limited (KREDL). g. Representative at senior executive level from the Power Grid Corporation of India Limited (PGCIL). h. Representative at senior executive level from the Southern Regional Load Despatch Centre (SRLDC). i. Representative of the Indian Railways in the State. j. Representative at senior executive level from each Distribution Licensee & SEZ. k. Chief Engineer or Additional Director of the Power Company of Karnataka Limited. l. One Representative at senior executive level of Private- Owned Generating Companies including IPPs and CPPs in the State – All IPPs /CPPs generators having own installed capacity 500MW and above (excluding RE installed capacity portfolio). m. One representative from each Renewable Energy source such as wind, solar, small hydro, biomass, Co- generation, etc., of having own installed capacity 1000MW and above in the State on rotation basis for every two year.
	Chairperson & Members hairperson ember Secretary & Convener embers

- 2. Any other member can be co-opted as a member of the Panel when directed by the Commission.
- 3. In addition, the core group of Grid Code Review panel may invite any stakeholder, expert, professional from academic or research institution as special invitee on case to case basis for the specific meeting.

2.3 Functions of Grid Code Review Panel:

- The Grid Code Review Panel shall be the apex body responsible for implementation
 of KEGC under these Regulations and constitute functional committees as specified
 in these Regulations to coordinate various activities specified in these Regulations,
 and to carry out periodic review and seek for amendments of the same.
- 2. The Member Secretary shall inform all the Users, the names and addresses of the Panel Chairperson and the Member Secretary at least seven days before the first meeting of the Panel. Any subsequent changes shall also be informed to all the users. Similarly, each User shall inform the names and designations of their representatives to the Member Secretary of the Panel, at least three days before the first Panel meeting, and shall also inform the Member Secretary in writing regarding any subsequent changes.
- 3. Review the progress of the committee formed for coordination and monitoring of operation and planning functions for the State grid.
- 4. The Review Panel may hold as many number of meetings as required subject to the condition that at least one meeting shall be held in every six months or as and when required. Sub-meetings may be held by the Grid Code Review Panel with the User to discuss individual requirements and with groups of Users to prepare proposals for Panel meeting for taking a decision.
- 5. The Grid Code Review panel shall review the GRID CODE provisions after proper examination taking in to account of all the comments received from the members of the Panel scrutinized and compiled by Member secretary. The comments, along with comments of GCRP shall be sent to all the members for their response in favour or otherwise, for the proposed change/modification. If necessary, the MS shall convene a meeting of the Panel for deliberations. The MS shall present all the proposed revisions of the Grid Code to the Panel for its consideration.
- 6. Based on the response received, the GCRP shall finalize its recommendation regarding the proposed modification / amendment and submit the same along with all the related correspondence to the Commission for approval. The Commission will approve the same after holding a Public Hearing.
- 7. The changes/revisions proposed by the Grid Code Review Committee shall be consistent/compatible with IEGC and amendments thereof.
- 8. The GCRP shall send the following reports to the Commission at the conclusion of each review meeting of the Panel:

- i. Reports on the outcome of such review.
- ii. Any proposed revision to the Grid Code as the GCRP reasonably thinks necessary for achievement of the objectives referred to in the relevant paragraphs.
- iii. All written representations and objections submitted by the Users at the time of review.
- 9. The following are contemplated as exclusive functions of Grid Code Review Panel, namely:
 - a. Facilitating the implementation of these Regulations and procedures developed under these Regulations for discharging its obligations with the Users.
 - Assessing and recommending remedial measures for issues that arise during the implementation of these Regulations and procedures developed under these Regulations;
 - c. Provided that, the Grid Code Review Panel shall formulate suitable procedures, code of operation, manual and guidelines or revise such procedures/guidelines/manuals/code under these Regulations by undertaking stakeholder consultation and shall submit the same to the Commission.
 - d. Maintenance of the GRID CODE and its working under continuous scrutiny and review.
 - Consideration of all requests for review made by any User and publication of their recommendations for changes to the GRID CODE together with reasons for such changes.
 - f. Ensuring that the changes/modifications proposed in the GRID CODE are consistent and compatible with Indian Electricity Grid Code (IEGC).
 - g. The Grid Code Review Panel shall examine the proposed changes/modifications, along with its written comments submitted by all members of the Committee and decide on the request. Intra State Entities/Users seeking an amendment to the KEGC shall send written requests to the convener of the Grid Code Review Panel with a copy to the Commission.
 - h. The non-compliance of grid code by the users & other concerned shall be reported to the Commission by Grid Code Review Panel to initiate the

suitable action.

i. Other matters as may be directed by the Commission from time to time

2.4 Functional Committees/Sub-Committees Under Grid Code Review Panel:

Grid Code Review Panel, in the succeeding meeting after notification of these Regulations, shall constitute following functional committees for implementation of the KEGC under the aegis of Grid Code Review Panel.

- a. Operation Coordination Committee (OCC): The Committee shall be responsible for the implementation of provisions of Operation Code and Scheduling and Despatch Code of KEGC & IEGC.
- b. **Protection and Communication Coordination Committee (PCCC):** The Committee shall be responsible for the implementation of provisions of Protection Code and Communication Code & related issues and Protection Coordination of In-STS.

Provided that Grid Code Review Panel may formulate any other functional Committee or sub-committees, as it deems fit for the implementation of the KEGC.

2.4.1 Operation Coordination Committee (OCC):

- State Load Despatch Centre shall be responsible for managing and serving the State Grid in Safe, Secure and economically for In-STS of Karnataka with each Users of In-STS discharging respective obligations under the KEGC/IEGC in coordination with SRLDC/SRPC.
- 2. The Operation Coordination Committee shall be constituted by GCRP within two months from the date of notification of these regulations.
- OCC shall meet at least once every in two months and coordinate on all technical aspects of system operation, load despatch and shall provide recommendations to the Grid Code Review Panel.
- 4. The Member Secretary shall inform all the Users, the names and addresses of the Panel Chairperson, Members and the Member Secretary at least seven days before the first meeting of the Panel. Any subsequent changes shall also be informed to all the users. Similarly, each User shall inform the names and designations of their representatives to the Member Secretary of the Panel, at least three days before the first Panel meeting, and shall also inform the Member Secretary in writing regarding any subsequent changes.

5. OCC shall have following members:

Chairperson & Members	Representative
Chairperson	Executive Director/ Chief Engineer of SLDC
Member Secretary & Convener	Superintending Engineer of SLDC.
Members Members	 a. Chief Engineer, Planning & Co- ordination, STU. b. Superintending Engineer Project and Monitoring, STU. c. Chief Engineer, Protection wing, STU. d. Chief Engineers from all the Transmission Zones, KPTCL. e. Five Representative from the Generating Companies/IPPs in State having maximum generation capacity. f. One representative from each Transmission Licensee in the State. g. Chief Engineer/Chief General Manager from each Distribution Licensee in the State. h. One representative from each Renewable Energy source such as wind, solar, small hydro, biomass, Co-generation, etc., of having own installed capacity 1000MW and above in the State on rotation basis for every two year.
	Chairperson Member Secretary & Convener

- 6. Any other member can be co-opted as a member of the OCC as and when directed by the Grid Code Review Panel.
- 7. OCC shall perform the following functions:
 - Review operational issues and system restoration procedure; Review the reactive compensation mechanism for In-STS;
 - ii. Review and finalize planned outage plan of In-STS; Review the load curtailment mechanism;
 - iii. Review the installation of Under Frequency Relays (UFR), df/dt relays, ADMS, SPS, UVLS etc., in the In-STS;
 - iv. Monitor implementation and performance of governor mode of operation for the generating stations in the State;
 - v. Review of Renewable Energy curtailment is as per approved procedures of KERC and formulate recommend means of avoiding/reducing it;
 - vi. Review the requirement of OCC Meetings of SRPC.
 - vii. Ensure implementation and effective functioning of SAMAST.
 - viii. Periodic review of SCADA visibility of all Drawal & injection points; and any other function as directed by the Grid Code Review Panel.
 - ix. Review of operation and Transmission Constraint cases noticed by SLDC and suggest recommendations; and

- x. Optimize outage plan of generating units consistent with Outage Plan of SRPC.
- xi. Review of reactive interchange of Users with In-STS and In-STS with ISTS. Need for reactive compensation to be recommended to STU. Changes in reactive accounting to be refereed to Grid Code Review Panel.
- xii. Review of Load staggering, TOD and other measures.
- xiii. Any other function as directed by the Grid Code Review Panel.
- xiv. SLDC shall prepare the agenda points on clause (i) to (xv) of this regulation and circulate with OCC members/posted their website at least five (5) days before the meeting and Minutes of the Meeting shall be uploaded in SLDC website within seven (7) days from the meeting held date.

2.4.2 Protection and Communication Coordination Committee (PCCC):

- The Protection and Communication Coordination Committee shall be constituted by GCRP within two months from the date of notification of these regulations.
- 2. PCCC shall meet at least once in every three months and coordinate regarding the implementation of Protection Code & Cyber security and Communication Code to ensure that Users of the In-STS discharge their obligations under the Protection Code and Communication Code and CEA Metering Regulations as amended from time to time.
- 3. The Member Secretary shall inform all the Users, the names and addresses of the Panel Chairperson, Members and the Member Secretary at least seven days before the first meeting of the Panel. Any subsequent changes shall also be informed to all the users. Similarly, each User shall inform the names and designations of their representatives to the Member Secretary of the Panel, at least three days before the first Panel meeting, and shall also inform the Member Secretary in writing regarding any subsequent changes.
- 4. PCCC shall have following members:

SI. No.	Chairperson & Members	Representative
1	Chairperson	Chief Engineer, Protection Wing, STU
2	Member Secretary & Convener	Superintending Engineer (Ele.,) Protection wing, STU
3	Members	 i. Chief Engineer or Executive Director, SLDC. ii. Chief Engineer or General Manager of the Karnataka Power Corporation Limited (KPCL). iii. The Superintending Engineer, Ele. Each

Protection Circles of STU.
iv. The Superintending Engineer, Ele.
Communication Wing of STU.
v. The Superintending Engineer, Ele. Technical
Wing of STU.
vi. One representative from each Transmission
Licensee in the State.
vii. One representative from each Distribution
Licensee in the State.
Five Representatives from the "Generating
Companies / IPPs / User" in State connected to
Grid at 220kV and above voltage level.

- 5. Any other member can be co-opted as a member of the PCCC as and when directed by the Grid Code Review Panel.
- 6. PCCC shall perform the following functions:
 - a. Assist STU to prepare protection manual under Protection Code;
 - b. Ensure compliance of Protection Code;
 - c. Specify the minimum protection requirements for the User's system connected to the In- STS;
 - d. Deliberate and decide various protection settings, testing procedure and periodicity;
 - e. Review the requirement of upgradation of protection schemes and necessary switchgear equipment;
 - f. Analyse the failure of protection system in case of major grid disturbance and suggest modifications and alterations;
 - g. Review the installation of Disturbance Recorders, Event Loggers, Under Frequency Relays (UFR), df/dt relays etc., in the In-STS;
 - h. Review the suggestion of Users for revision of protection code; and any other function as directed by the Grid Code Review Panel.
 - i. Ensure compliance of CEA Metering Regulations as amended from time to time:
 - j. Deliberate and decide the issues related to metering and metering failure for DSM account and energy account;
 - k. Deliberate and decide the issues related to communication aspects of AMR/MRI;
 - I. To issue guidance on the interpretation and implementation of the Protection Code.

- m.Review and propose amendments in metering arrangement and CEA Metering Regulations as amended from time to time;
- n. To publish recommendations for changes to the protection Code for In-STS together with the reason for the change and any objection if applicable
- o. Coordination of Annual Protection Audit and third Party Audit.
- p. Review of PCCC and SRPC PCSC recommendations and Audit recommendations. Review of performance indices in respect of In-STS & Users.
- q. Recommendation on Protection aspects to STU.
- r. Review the requirement of PCSC and Communication Meetings of SRPC.
- s. STU shall prepare the agenda points on clause (a) to (s) of this regulation and circulate with PCCC members/posted to their websites at least 5 days before the meeting and Minutes of the Meeting shall be uploaded in their website within seven (7) days from the meeting held date.
- 7. The Sub-Committee may be headed by the respective Superintending Engineers of the protection Circles who will conduct review meeting once in every month and bring the issues to the PCCC for deliberation and decisions.

2.5 Role of Various Organizations:

2.5.1 Role of SLDC:

In accordance with Section 32 of the Electricity Act, 2003, the State Load Despatch Centre (SLDC) shall have the following functions:

- 1. The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in the State.
- 2. The State Load Despatch Centre shall:
 - a. be responsible for optimum scheduling and despatch of electricity within the State, in accordance with the contracts entered into with the licensees or the generating companies operating in the State;
 - b. monitor grid operations;
 - c. keep accounts of the quantity of electricity transmitted through the State Grid;
 - d. exercise supervision and control over the intra-State transmission system; and
 - e. be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the Grid Code.

- 3. The following are contemplated as exclusive functions of SLDC:
 - a. Data acquisition and supervisory control, state estimation and security analysis.
 - b. System Operation and control of the state grid covering contingency analysis, contingency ranking and operational plan on real time basis by conducting operational load flow studies using real time data.
 - c. Furnishing feedback to STU on planning, on the issues of transmission strengthening, system protection requirement, congestion /bottlenecks with a copy to Distribution licensees, Energy Department and the Commission.
 - d. Responsible for consolidating the demand forecast within the State based on the demand forecast submitted by the distribution licensees in accordance with KERC Resource Adequacy Regulations, outage planning, coordination & operation and analysis of the grid security.
 - e. Scheduling/Re-scheduling of Generation.
 - f. System restoration following grid disturbances.
 - g. Metering and data collection of the energy transaction within the State Grid. Compiling and furnishing data pertaining to system operation.
 - h. Maintain the Karnataka State Energy account and Operation of state Deviation Settlement Mechanism (DSM) pool account, State reactive energy account and other functions as directed by the Commission.
 - i. Publish transmission line loadings, critical lines with contingent conditions and inform in writing to the STU on the transmission bottlenecks for remedial measures with a copy to the Commission.
 - j. Display of power map with power flow in the critical lines.
 - k. SLDC shall provide operational feedback to CTU and STU.
 - I. Ensuring adequate primary, secondary and tertiary reserves.
 - m. Ensuring must-run status of renewable sources of energy namely Solar, wind, minihydel and hybrid of wind/solar/mini-hydel sources contracted by the State as per KERC Regulations/approved procedure.
 - n. Operate Real Time Operation Desk, carry out TTC/ATC computations for operational purpose, carry out resource adequacy and operational studies.
 - o. Transmission Outage Coordination of In-STS and Users.
- 4. In accordance with Section 33 of the Electricity Act, 2003, the State Load Despatch Centre in the State may give such directions and exercise such supervision and control

as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in the State. Every licensee, generating company, generating station, sub-station and any other person connected with the operation of the power system shall comply with the directions issued by the State Load Despatch Centre under subsection (1) of Section 33 of the Electricity Act, 2003. The State Load Despatch Centre shall comply with the directions of the Regional Load Despatch Centre.

- 5. In case of inter-state bilateral and collective short-term open access transactions having a state utility or an intra-state entity as a buyer or a seller, SLDC shall accord concurrence or no objection or a prior standing clearance, as the case may be, in accordance with the Central Commission and State Commission's Regulations, as amended from time to time.
- SLDC shall be the Nodal Agency for the integration of Communication System in the Intra-State network at SLDC end for monitoring, supervision, and control of power system.
- 7. From the date to be notified separately in consultation with Grid Code Review Panel, SLDC shall publish on its website daily report of availability of SCADA to ensure adequate data availability in real time covering interface points and highlight the deficient interface locations.
- 8. SLDC shall publish the report of RE curtailment in its website as per the KERC approved procedure or as per the Central Government / Central Commission.
- 9. Coordinate in outage management of Generating units, Transmission / Distribution System.

2.5.2 Role of ALDC:

The Area Load Despatch centre shall:

- a. Comply with the directions of SLDC.
- b. Coordinate in outage management of Transmission System.
- c. Operational, transmission & distribution constraint feedback to SLDC. SLDC will further take it up with OCC or PCCC as per requirement.
- d. Assist SLDC to ensure integrated operation of the power system in the State grid. Assist SLDC for monitoring the grid operations within its control area.
- e. Assist SLDC for supervision and control over the intra-State Transmission system, within its area and be responsible for carrying out real time operation.
- f. Keep accounts of the quantity of electricity transmitted through its control area.

2.5.3 Role of DCC:

The Distribution control centre shall:

- a. carry out the directions issued by the State Load Dispatch Centre in the matter of system operation and demand monitoring and control in his area of supply.
- b. identify blocks of load to facilitate shedding of load in rotation as may be necessary for achieving control of frequency and ACE for load generation balance.
- c. coordinate in outage management of Distribution System
- d. monitor and account the drawal of energy by the Distribution Licensee in his area of supply.
- e. assist SLDC to ensure integrated operation of the power system in the State grid.
- f. assist SLDC for monitoring the grid operations within its control area to maintain the Deviation within the limit.
- g. keep accounts of the quantity of electricity transmitted through its control area.
- h. have the required communication facilities with all the interface points and the State Load Dispatch Centre.

2.5.4 Role of STU:

- Section 39 of the Electricity Act, 2003, outlines that the functions of the State Transmission Utility (STU) shall be:
 - a. to undertake transmission of electricity through intra-State transmission system and inter State transmission under bilateral agreements;
 - b. to discharge all functions of planning and co-ordination relating to intra-State transmission system with,
 - i. Central Transmission Utility;
 - ii. State Governments;
 - iii. Generating Companies;
 - iv. Regional Power Committees;
 - v. Central Electricity Authority (CEA);
 - vi. Licensees:
 - vii. Any other person notified by the State in this behalf;
 - c. To ensure development of an efficient, coordinated, and economical In-STS for smooth flow of electricity from a generating station to the load centres;
 - d. To provide non-discriminatory open access to its transmission system for use by
 - i. Any licensee or generating company on payment of the transmission charges; or

- ii. Any consumer as and when such open access is provided by the State Commission under sub-section (2) of section 42 of the Act, on payment of the transmission charges and a surcharge thereon, as may be specified by the State Commission.
- e. STU shall be responsible for planning, coordination, and development of reliable communication system for data communication within the State including appropriate protection path among SLDC and ALDC/DCC thereunder including main and backup as applicable along with Intra state entity Generating Station and STU's substations.
- f. STU shall also plan a redundant communication system up to the nearest ISTS wideband communication node for integration with the In-STS communication system at appropriate nodes.
- g. STU shall discharge all functions of planning related to the State backbone communication system in consultation with CTU, State Government, Generating Companies, Transmission and Distribution Licensee in the State.
- h. STU shall also provide access to its wideband Network for grid management by all the Users.
- i. STU shall extend the required support to Control Centres for the integration of communication system at respective ends.
- 2. Until a Government Company or any Authority or Corporation is notified by the State Government, the State Transmission Utility shall operate the State Load Despatch Centre.

2.5.5 Role of Transmission Licensees:

Transmission Licensees shall build, maintain, and operate an efficient, coordinated, and economical In-STS or ISTS, as the case may be and discharge the other duties/functions assigned to it as per Section 40 of the Act, and these Regulations.

2.5.6 Role of Distribution Licensees:

 Distribution Licensee shall discharge the functions as stated in Section 42 of the Act, such as to develop and maintain an efficient, coordinated, and economical distribution system in its area of supply; to provide non-discriminatory open access to its distribution system as specified in the KERC Open Access Regulations as amended from time to time.

- Provided that, distribution licensee shall be responsible to provide and maintain adequate reactive power compensation at distribution level such as 33 kV substations, 11 kV lines to maintain the voltage and power factor within the specified limit.
- 3. All endeavor shall be such that no interchange of reactive power with In-STS. The distribution licensee shall ensure that, such reactive compensation (reactive drawal/injection) shall be as per the advice of SLDC.
- 4. Provided further that, the distribution licensee shall ensure that, such reactive compensation shall remain in service.
- 5. Additional reactive compensation as advised by OCC through PCCC shall be ensured by Distribution Licensee.
- 6. All load relief schemes of UFR, df/dt, ADMS, SPS, load staggering, scheduled load shedding as per the directions of SLDC shall be complied with.
- 7. SCADA inputs as required by SLDC shall be ensured by Distribution Licensees to SLDC through ICCP.

2.5.7 Role of Users:

- a. User including RE generators shall be responsible for the provision of compatible equipment along with an appropriate interface for uninterrupted communication with the concerned control centres at their own cost and shall be responsible for successful integration with the communication system provided by STU for data communication as per the guidelines issued by NLDC/RLDC/SLDC/STU.
- b. Users may utilize the available transmission infrastructure for establishing communication up to the nearest wide band node for meeting communication requirements from their stations to concerned control centres. Users shall also be responsible for expansion/up- gradation as well as operation and maintenance of communication equipment owned by them.
- c. All Users including RE generators will ensure Meter Data to SLDC for preparation of KSEA within the time schedule prescribed by SLDC.
- d. All Users including RE generators shall ensure manual or automatic integration of all load relief measures, AGC, ADMS, reactive control, SPS etc., as and when directed by SLDC.
- e. Role of Generator: Generator connected to and/or using the In-STS for evacuating its generation shall inform the STU and SLDC about the contracts entered into with

different parties for exporting power along with its schedule from individual generating station under the company. It shall follow the relevant provisions of the KEGC and assist the SLDC in real time operation and control of the system and scheduling of generation and to maintain adequate reactive power compensation.

f. Role of RE Generator/RE Developer: RE Generator/RE Developer connected (directly or through Pooling Station) to and/or using the In-STS for evacuating its generation shall inform the STU and SLDC about the contracts entered into with different parties for exporting power along with its individual schedule or at Pooling Station level, as the case may be. It shall follow the relevant provisions of the KEGC, KERC (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2015 and its amendments thereof, Karnataka Electricity Regulatory Commission (Intra-State Deviation Settlement Mechanism and Related Matters) Regulations, 2024 as and when notified, CERC DSM Regulations and assist the SLDC in real time operation and control of the system and scheduling of generation and to maintain adequate reactive power compensation. It shall also develop the transmission system including the pooling station within the premises of the park.

2.5.8 Role of Qualifying Co-ordinating Agency (QCA):

- 1. The roles and functions of QCA shall be as follows:
 - a. To act as the nodal agency on behalf of the wind, solar and hybrid generators including energy storage system connected to one or more pooling stations represented by it for the purpose of Grid Code in general and operational and scheduling liaison in particular.
 - b. To undertake generation forecasting, declaration of combined capability on behalf of generators, energy storage system at one or more pooling stations to the concerned load despatch centre for the purpose of scheduling.
 - c. To undertake scheduling, metering and accounting of energy. QCA shall be responsible for pooling of declared availability, de-pooling of despatch schedule, DSM and Reactive account as necessary.
 - d. To operate and maintain a co-ordination centre manned by qualified and competent personnel for round the clock operational co-ordination and

- information exchange with the concerned Load Despatch Centre and generating stations.
- e. To settle all payments as per DSM Regulations arising out of deviations from its aggregated schedule given by SLDC and the reactive accounting.
- 2. Any instruction or direction given by the SLDC to QCA shall be deemed to have been given to the renewable generator represented by it.

Provided QCA shall be reckoned as Intra State Entity and the powers, functions and role of the QCA shall be governed as per the provisions stipulated under KERC (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2015 and its amendments thereof including Procedures formulated thereunder.

2.6 Dispute Settlement Procedures:

- In the event of any dispute regarding interpretation of any part/section of the Grid Code provision between any User and STU, the matter may be referred to the Commission for its decision. The Commission's decision shall be final and binding.
- 2. In the event of any conflict between any provision of the Grid Code and any contract or agreement between STU and Users, the provision(s) of the Grid Code shall prevail.

2.7 Compatibility with Indian Electricity Grid Code:

This Grid Code is consistent/compatible with the IEGC. However, in matters relating to inter-State transmission, if any provision of the State Electricity Grid Code is inconsistent with the provisions of the IEGC, then the provisions of IEGC as notified by CERC shall prevail.

2.8 Monitoring of Compliance:

 State Transmission Utility and State Load Despatch Centre shall be responsible for monitoring the compliance of Users and State Transmission Licensees with the provisions, contained in Karnataka Electricity Grid Code and with the procedures developed under such provisions:

- Provided that the State Transmission Utility and/ or State Load Despatch Centre shall not unduly discriminate against or unduly prefer any User or Transmission Licensee.
- 2. If any User fails to comply with any of the provision(s) of the Grid Code, it shall be required to inform STU without any delay, the reason for its non-compliance and shall remove its non-compliance promptly.
- 3. Wrong declaration of capacity, non-compliance of SLDC's instructions, non-compliance of SLDC's instructions for backing down without adequate reasons, non-furnishing data etc. shall constitute non-compliance of Grid Code and shall be subject to financial penalty as may be decided by the Commission.
- 4. In case of persistent non-compliance of the provisions of the Grid Code and/ or with the procedures developed under such provisions, such matter shall be reported to the Commission by SLDC. Consistent failure to comply with the Grid Code may lead to disconnection of the User's plant and/or facilities.
- 5. State Load Despatch Centre may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in the State.
- 6. Every Transmission Licensee and User connected with the operation of the power system shall comply with the directions issued by the State Load Despatch Centre.
- 7. If any dispute arises with reference to the quality of electricity or safe, secure and integrated operation of the State grid or in relation to any direction given under the provisions of Karnataka Electricity Grid Code, it shall be referred to the Commission by SLDC for a decision:
 - Provided that till the time the decision of the Commission is pending; the direction of the State Load Despatch Centre shall be complied with by the Transmission Licensee or User.
- 8. The Commission may order independent third-party compliance audit for any User, as deemed necessary based on the facts brought to the knowledge of the Commission.

Chapter – 3: Resource Planning Code

3.1. General:

1. This code mandates assessment of resource adequacy during the generation planning stage as well as during the operational planning stage in accordance

with the guidelines/rules/regulations issued by the Central Government/Appropriate Commission.

- 2. The Distribution Licensees shall formulate the Resource Adequacy Plan in accordance with KERC (Resource adequacy framework) Regulations 2024 and its amendments thereof, which shall be reviewed by the Commission.
- 3. This Code deals with the planning of generation and transmission resources for reliably meeting the projected demand in compliance with specified reliability standards for serving the load with optimum generation mix with a focus on integration of environmentally benign technologies after taking into account the need, inter alia, for flexible resources, storage systems for energy shift and demand response measures for managing the intermittency and variability of renewable energy sources and integrated resource planning including demand forecasting, generation resource adequacy planning and transmission resource adequacy assessment, required for secure grid operation.

3.2. Integrated Resource Planning:

The integrated resource planning shall include:

- a. Demand forecasting as detailed in clause (3.3) of these Regulations;
- b. Generation resource adequacy planning to meet the projected demand,
 Procurement planning, Monitoring and compliance as per clause (3.4) of these
 Regulations;
- c. Transmission Resource Adequacy Assessment as per clause (3.5) of these Regulations.

3.3. Demand Forecasting:

The Demand Forecasting shall be in accordance with Karnataka Electricity Regulatory Commission, (Framework for Resource Adequacy) Regulations, 2024 and amendments thereof.

3.4. Generation Resource Adequacy, Power Procurement Planning, Monitoring and Compliance:

The Generation Resource Adequacy, Power Procurement Planning, Monitoring and compliance shall be in accordance with Karnataka Electricity Regulatory Commission, (Framework for Resource Adequacy) Regulations, 2024 and amendments thereof.

3.5. Transmission Resource Adequacy Assessment:

- a. To match with the Demand Forecasting and Generation Resource Adequacy planned as per KERC (Framework for Resource Adequacy) Regulations and amendments thereof, STU shall undertake assessment and planning of the intra-State transmission system as per the provisions of the Act and shall inter alia take into account:
 - i. import and export capability across ISTS and STU interface; and
 - ii. adequate power transfer capability across each flow-gate.
- b. The Planning Philosophy for the Intra-STS planning by the STU shall be as detailed in the guidelines of "Manual of Transmission Planning Criteria" issued by CEA from time to time.

Chapter 4: Connection CodeGeneral:

- All Users connected to, or seeking connection to In-STS shall comply with Connectivity and GNA, Open Access, GEOA Regulations specified by KERC/CERC and Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, which specifies the minimum technical and design criteria.
- 2. In case of the Distributed Generation Resources connected to, or seeking connection to In-STS or Distribution Network, shall comply with the applicable CERC/KERC regulations and Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations.
- 3. The objective of the Gird Connectivity is as given below:
 - a. To ensure safe reliable and integrated operation of the grid;
 - b. That the basic rules for connectivity are complied with in order to treat all users in a non-discriminatory manner;
 - c. Any new or modified connections, when established, shall neither suffer unacceptable effects due to its connectivity to the In-STS nor impose unacceptable effects on the system of any other connected User or STU;
 - d. By specifying optimum design and operational criteria to assist Users in their requirement to comply with technical and operational requirement and hence ensure that a system of acceptable quality is maintained.
 - e. Any user seeking a new connection to the grid should be aware of the

- procedure specified in clause 5.3 of these regulations for connectivity to the In-STS and the standards to be complied with by user for connectivity with the In-STS network.
- f. This code specifies the requirements to be fulfilled by the connectivity grantees prior to obtaining the permission of the SLDC for first time energizing of a new or modified power system element. In addition to above, this code specifies the technical requirements to be complied with by a transmission licensee including deemed transmission licensee's entity prior to being allowed SLDC to energize a new or modified power system element.
- g. After grant of connectivity and prior to the declaration of commercial operation, the tests as specified under Chapter-5 of these regulations shall be performed.

4.2 Compliance with Existing Rules and Regulations:

- 1. All Users connected to or seeking connection to the grid shall comply with all the applicable regulations as enacted or amended from time to time, such as:
 - i. Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007;
 - ii. Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013;
 - iii. Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022;
 - iv. Central Electricity Authority (Measures Relating to Safety & Electric Supply)Regulations, 2023;
 - v. Central Electricity Regulatory Commission (Communication System for Inter-State Transmission of Electricity) Regulations, 2017;
 - vi. Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006;
 - vii. Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022;
 - viii. Central Electricity Regulatory Commission (Fees and Charges for Regional Load Despatch Centres) Regulations, 2019;
 - ix. Central Electricity Regulatory Commission (Furnishing of Technical Details by the Generating Companies) Regulations, 2009.
 - x. Central Electricity Authority (Grid Standards) Regulations, 2010.

- xi. Central Electricity Authority (Cyber Security in Power Sector) Guidelines, 2021.
- xii. Central Electricity Authority (Flexible Operation of Coal based Thermal Power Generating Units) Regulations, 2023.
- xiii. Karnataka Electricity Regulatory Commission (Terms and Conditions for Open Access) Regulations, 2004;
- xiv. KERC Green EOA, 2022 regulations any other regulations and standards specified from time to time.
- xv. KERC GNA Regulations, as and when notified.

4.3 Procedure for Connection:

- A User seeking to establish new or modified arrangement of connection to or for use of In-STS, shall submit an application as per Regulations of the Commission or in the standard format prepared by STU in consultation with GCRP and approved by the Commission, to STU in case the connection is sought to intra-State transmission system.
- 2. The STU shall process the application for grant of connectivity in accordance with these regulations;
- 3. The grant of connectivity by STU to In-STS shall be governed by connectivity Regulations of the Commission, in the absence of connectivity Regulations, the standard format prepared by STU & approved by the Commission.
- 4. Post completion of all physical arrangements of connectivity and completing the necessary site tests, the connectivity grantee and/or licensee shall request the SLDC for permission of first energization in the specified format as per the procedure for first time energization of power system elements.
- 5. STU, in coordination with SLDC and Grid Code Review Panel after due consultation of stakeholders, shall publish a detailed procedure covering modalities for first time energization and integration of new or modified power system element and finalize in line with NLDC first time energization procedure within 60 days of notification of these Regulations and submit for the approval of the Commission. The procedure shall specify requirements for integration with the grid such as protection, telemetry and communication systems, metering, statutory clearances and modelling data requirements for system studies.

Provided further that no connection shall be made unless first time energization and integration of new or modified power system elements is prepared and signed by all concerned parties.

4.4 Connectivity Agreement:

- A connection agreement, or the offer for a connection agreement shall include (but not limited) within its terms and conditions of the following:
 - a. A condition requiring both Agencies to comply with the Grid Code.
 - b. Details of connection technical requirements and commercial arrangements.
 - c. Details of any capital related payments arising from necessary reinforcement or extension of the system, data communication, RTU etc., and demarcation of the same between the concerned parties.
 - d. A Site Responsibility Schedule (Annexure-I) (KEGC).
 - e. General Philosophy, Guidelines etc., on protection and telemetry.
 - f. In case of multiple transmission licensees connected at the same station, the Site Responsibility Schedule including the responsibility for operation & protection coordination and data sharing among the licensees, shall be specified in the Connectivity Agreement.
 - g. In case of an intra-State transmission licensee, Connectivity Agreement shall be signed between such licensee and STU after the award of the project and before physical connection to In-STS.
 - h. In case of intra-State transmission system getting connected to inter-State transmission system, Connectivity Agreement shall be signed between intra-State transmission licensee, CTU and inter-State transmission licensee after the award of the project and before physical connection to ISTS.

4.5 Model Connection Agreement:

- a. The standard connection agreement shall be prepared by the STU in consultation with the GCRP and submitted to the Commission for approval in line with Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, within 60 days from the date of publishing of Grid Code in the official Gazette of Karnataka. Till such time the new format is approved, the existing format shall be adopted incorporating necessary modifications to be consistent with these Regulations. Any such modification shall be approved by the Commission.
- b. The approved format shall be made available for the prospective users of the Grid and shall be hosted on STU's website.

4.6 Technical Requirements:

- a. SLDC in consultation with STU shall carry out a joint system study six (6) months before expected date of first energization of a new power system element to identify operational constraints, if any. The connectivity grantee, transmission licensee and STU shall furnish all technical data including that of its embedded generators and other elements to the SLDC for necessary technical studies.
- b. SLDC shall publish a detailed Procedure covering modalities for carrying out interconnection studies.

4.7 Data and Communication Facilities:

- Reliable speech and data communication systems on path diversified data links shall be provided to facilitate necessary communication and data exchange and supervision and control of the grid by the NLDC, RLDC and SLDC in accordance with CERC (Communication System for Inter-State Transmission of Electricity) Regulations, 2017 and CEA Technical standards for communication.
- The associated communication system to facilitate data flow up to appropriate data collection point on STU system including inter-operability requirements shall also be established by the concerned user as specified by STU in the connectivity agreement.
- 3. The communication system along with data links provided for speech and real time data communication shall be monitored in real time by all users, STU, SLDC and RLDC shall ensure high reliability of the communication links.

Chapter-5: Commissioning and Commercial Operation Code

5.1 General:

The Intra State Entity connected to In-STS and any component of In-STS shall follow the procedures specified below for declaration of Commercial Operation Date (COD). This chapter covers aspects related to:

- i. Drawal of startup power from and injection of infirm power into the grid, Trial run operation.
- ii. Documents and tests required to be furnished before declaration of COD, Requirements for declaration of COD.

5.2 Drawal of Start Up Power and Injection of Infirm Power:

1. A unit of a generating station including unit of a captive generating plant that has been granted connectivity to the In-STS in accordance with KERC Regulations shall be allowed to inter-change power with the grid during the commissioning period, including testing and full load testing before the COD, after obtaining prior permission of the State Load Despatch Centre:

Provided that the State Load Despatch Centre while granting such permission shall keep grid security in view.

- 2. The period for which such inter-change shall be allowed shall be as follows:
 - a. Drawal of start-up power shall not exceed 15 months prior to the expected date of first synchronization and one year after the date of first synchronization; and.
 - b. Injection of infirm power shall not exceed one year from the date of first synchronization for generating stations other than REGS and ESS.
 - c. Injection of infirm power shall not exceed 45 days from the date of FTC approval for REGS and ESS.
- 3. Notwithstanding the provisions of clause (2) of this Regulation, the Commission may allow extension of the period for inter-change of power beyond the stipulated period on an application made by the generating station at least two months in advance of the completion of the stipulated period:

Provided that for REGS and ESS, extension of period for injection of infirm power beyond the stipulated period may be allowed (a) for a period up to six months by SRLDC on an application(s) made by such generating station or ESS to SRLDC along with detailed reasons, at least 10 days in advance of the completion of the stipulated period, (b) for a period beyond six months by the Commission on an application(s) made by such generating station or ESS along with detailed reasons, at least 30 days in advance of the completion of the stipulated period".

- 4. Drawal of start-up power shall be subject to payment of transmission charges as applicable to STOA;
- 5. The charges for deviation for drawal of startup power or for injection of infirm

- power shall be as per the KERC notified rates and in the absence of KERC rates, as per CERC DSM Regulations;
- 6. Start-up power shall not be used by the generating station for construction activities;
- 7. The onus of proving that the interchange of infirm power from the unit(s) of the generating station is for the purpose of pre-commissioning activities, testing and commissioning, shall rest with the generating station, and the SLDC shall seek such information on each occasion of the interchange of power before COD. For this, the generating station shall furnish to the SLDC relevant details, such as those relating to the specific commissioning activity, testing, and full load testing, its duration and the intended period of interchange. The generating station shall submit a tentative plan for the quantum and time of injection of infirm power on day ahead basis to the SLDC.
- 8. In the case of multiple generating units of the same generating station or multiple generating stations owned by different entities connected at a common In-STS interface point, SLDC shall ensure segregation of firm power from generating units that have achieved COD from power injected or drawn by generating units which have not achieved COD through appropriate accounting of energy.
- 9. SLDC shall stop the drawal of the start-up power in the following events:
 - i. In case, it is established that the start-up power has been used by the generating station for construction activity;
 - ii. In the case of default in payment of monthly transmission charges, charges under deviation charges under the KERC notified rates and in absence of KERC rates, CERC DSM Regulations shall be utilized.

5.3 Data to Be Furnished Prior to Notice of Trial Run:

The following details, as applicable, shall be furnished by each Intra-State entity generating station to the SLDC and the beneficiaries of the generating station, wherever identified, prior to notice of trial run:

Table 1: Details to Be Furnished by Generating Entity Prior to Trial Run

Description	Units
Installed Capacity of generating station	MW
Installed Capacity of generating station	MVA
MCR	MW
Number x unit size	No x MW

Time required for cold start	Minute
·	
Time required for warm start	Minute
Time required for hot start	Minute
Time required for combined cycle operation under cold conditions	Minute
Time required for combined cycle operation under warm conditions	Minute
Ramping up capability	% per minute
Ramping down capability	% per minute
Minimum turndown level	% of MCR
Minimum turndown level	MW (ex-bus)
Inverter Loading Ratio (DC/AC capacity)	
Name of QCA (where applicable)	
Full reservoir level (FRL)	Metre
Design Head	Metre
Minimum draw down level (MDDL)	Metre
Water released at Design Head	M³/ MW
Unit-wise forbidden zones	MW

5.4 Notice of Trial Run:

- The generating company proposing its generating station or a unit thereof for trial run or repeat of trial run shall give a notice of not less than seven (7) days to the SLDC, and the beneficiaries of the generating stations, including intermediary procurers, wherever identified:
- 2. Provided that in case the repeat trial run is to take place within forty-eight (48) hours of the failed trial run, fresh notice shall not be required.
- 3. The transmission licensee proposing its transmission system or an element thereof for trial run shall give a notice of not less than seven days to the SLDC, STU, distribution licensees of the area and the owner of the inter-connecting system.
- 4. The SLDC shall allow commencement of the trial run from the requested date or in the case of any system constraints, not later than seven (7) days from the proposed date of the trial run. The trial run shall commence from the time and date as decided and informed by the SLDC.
- 5. A generating station shall be required to undergo a trial run in accordance with Regulation 6.5 of these regulations after completion of Renovation and Modernization for extension of the useful life of the project as per the applicable KERC regulations.

5.5 Trial Run of Generating Unit:

- 1. Trial Run of the Thermal Generating Unit shall be carried out in accordance with the following provisions:
 - a. A thermal generating unit shall be in continuous operation at MCR for seventy-two (72) hours on designated fuel:
 Provided that:

- i. short interruption or load reduction shall be permissible with the corresponding increase in duration of the test;
- ii. interruption or partial loading may be allowed with the condition that the average load during the duration of the trial run shall not be less than MCR, excluding the period of interruption but including the corresponding extended period;
- iii. cumulative interruption of more than four (4) hours shall call for a repeat of trial run.
- b. Where, on the basis of the trial run, a thermal generating unit fails to demonstrate the unit capacity corresponding to MCR, the generating company has the option to de-rate the capacity of the generating unit or to go for a repeat trial run. If the generating company decides to de-rate the unit capacity, the de-rated capacity in such cases shall not be more than 95% of the demonstrated capacity, to cater to primary response.
- Trial Run of Hydro Generating Unit shall be carried out in accordance with the following provisions:
 - a. A hydro generating unit shall be in continuous operation at MCR for twelve (12) hours:

Provided that-

- i. short interruption or load reduction shall be permissible with a corresponding increase in duration of the test;
- ii. interruption or partial loading may be allowed with the condition that the average load during the duration of trial run shall not be less than MCR excluding period of interruption but including the corresponding extended period;
- iii. cumulative interruption of more than four (4) hours shall call for a repeat of trial run;
- iv. if it is not possible to demonstrate the MCR due to insufficient reservoir or pond level or insufficient inflow, COD may be declared, subject to the
- v. condition that the same shall be demonstrated immediately when sufficient water is available after COD:
- vi. Provided that if such a generating station is not able to demonstrate the MCR when sufficient water is available, the generating company shall derate the capacity in terms of sub-clause (b) of this clause, and such derating shall be effective from COD.

b. Where, on the basis of the trial run, a hydro generating unit fails to demonstrate the unit capacity corresponding to MCR, the generating company shall have the option to either de- rate the capacity or go for a repeat trial run. If the generating company decides to de-rate the unit capacity, the de-rated capacity in such cases shall not be more than 90% of the demonstrated capacity to cater to primary response.

3. Trial Run of Wind / Solar / ESS / Hybrid Generating Station:

a. **Trial run of the solar inverter unit(s)** shall be performed for a minimum capacity aggregating to 5 MW:

Provided that:

in the case of a project having a capacity of more than 5 MW, the trial run for the balance capacity shall be performed in a maximum of four instalments with a minimum capacity of 1 MW:

b. Successful trial run of a solar inverter unit(s) covered under sub-clause (a) of this clause shall mean the flow of power and communication signal for not less than four (4) hours on a cumulative basis between sunrise and sunset in a single day with the requisite metering system, power plant controller, telemetry and protection system in service. The generating company shall record the output of the unit(s) during the trial run and shall corroborate its performance with the temperature and solar irradiation recorded at site during the day and plant design parameters:

Provided that:

- i. the output below the corroborated performance level with the solar irradiation of the day shall call for a repeat of the trial run;
- ii. if it is not possible to demonstrate the rated capacity of the plant due to insufficient solar irradiation, COD may be declared subject to the condition that the same shall be demonstrated immediately when sufficient solar irradiation is available after COD, within one year from the date of COD:

Provided that if such a generating station is not able to demonstrate the

rated capacity when sufficient solar irradiation is available after COD, the generating company shall de-rate the capacity in terms of subclause (h) of clause (3) of this Regulation.

- c. **Trial run of a wind turbine(s)** shall be performed for a minimum capacity aggregating to 10 MW: Provided that in the case of a project having a capacity of more than 10 MW, the trial run for wind turbine(s) above the capacity of 10 MW shall be performed in batch sizes of not less than 1 MW:
- d. Successful trial run of a wind turbine(s) covered under sub-clause (c) of this clause shall mean the flow of power and communication signal for a period of not less than four (4) hours on a cumulative basis in a single day during periods of wind availability with the requisite metering system, power plant controller, telemetry and protection system in service. The generating company shall record the output of the unit(s) during the trial run and corroborate its performance with the wind speed recorded at the site(s) during the day and plant design parameters:

Provided that-

- i. the output below the corroborated performance level with the wind speed of the day shall call for a repeat of the trial run;
- ii. if it is not possible to demonstrate the rated capacity of the plant due to insufficient wind velocity, COD may be declared subject to the condition that the same shall be demonstrated immediately when sufficient wind velocity is available after COD, within one year from the date of COD:

Provided that if such a generating station is not able to demonstrate the rated capacity when sufficient wind velocity is available after COD, the generating company shall de-rate the capacity in terms of sub-clause (h) of clause (3) this Regulation.

e. Successful trial run of a standalone Energy Storage System (ESS) shall mean one (1) cycle of charging and discharging of energy as per the design capabilities with the requisite metering, telemetry and protection system being in service.

f. Successful trial run of a pumped storage plant shall mean one (1) cycle of turbo-generator and pumping motor mode as per the design capabilities up to the rated water drawing levels with the requisite metering, telemetry and protection system being in service:

Provided that if it is not possible to demonstrate the design capabilities up to the rated water drawing levels due to insufficient reservoir levels, the COD may be declared after demonstrating the capabilities at available water drawing levels, subject to the condition that design capabilities up to the rated water drawing levels shall be demonstrated immediately when sufficient reservoir level is available after COD.

Provided further that if such a generating station is not able to demonstrate the design capabilities when sufficient water is available, the generating company shall have the option to either go for a repeat trial run or de-rate the capacity. If the generating company decides to de-rate the unit capacity in terms of sub-clause (b) of Clause (2) of Regulation 22 of these Regulations, such de-rating shall be effective from the COD.

- g. **Successful trial run of a hybrid system** shall mean successful trial run of each individual source of the hybrid system in accordance with the applicable provisions of these regulations.
- h. Where, on the basis of the trial run, solar / wind / storage / hybrid generating station fails to demonstrate its rated capacity, the generating company shall have the option to either go for a repeat trial run or de-rate the capacity subject to a minimum aggregated de-rated capacity of 5 MW or 1 MW, as the case may be.
- i. Notwithstanding the provisions contained in this Regulation, where Power Purchase Agreement provides for a specific capacity that can be declared COD, trial run shall be allowed for such capacity in terms of such power purchase agreement.

5.6 Trial Run of Intra-State Transmission System:

Trial run of a transmission system or an element thereof shall mean successful energization of the transmission system or the element thereof at its nominal system voltage through interconnection with the grid for a continuous twenty-four (24) hours

flow of power and communication signal from the sending end to the receiving end and with the requisite metering system, telemetry and protection system:

Provided that under exceptional circumstances and with the prior approval of CEA, a transmission element can be energized at lower nominal system voltage level up to 220kV:

Provided further that the SLDC may allow anti-theft charging where the transmission line is not carrying any power.

5.7 Documents and Tests Prior to Declaration of Commercial Operation:

- 1. Notwithstanding the requirements in other standards, codes and contracts, for ensuring grid security, the tests as specified in the following clauses shall be scheduled and carried out in coordination with SLDC by the generating company or the transmission licensee, as the case may be, and relevant reports and other documents as specified shall be submitted to SLDC before a certificate of successful trial run is issued to such a generating company or the transmission licensee, as the case may be.
- 2. All thermal generating stations having a capacity of more than 200 MW and hydro generating stations having a capacity of more than 25 MW shall submit documents confirming the enablement of automatic operation of the plant from the appropriate load despatch centre by integrating the controls and telemetering features of their system into the automatic generation control in accordance with the CEA Technical Standards for Construction and the CEA Technical Standards for Connectivity.
- 3. Documents and Tests Required for Thermal (coal/lignite) Generating Stations:
 - a. The generating company shall submit the following OEM documents, namely (i) startup curve for boiler and turbine including starting time of unit in cold, warm and hot conditions, (ii) capability curve of generator, (iii) design ramp rate of boiler and turbine.
 - b. The following tests shall be performed:

- Operation at a load of fifty-five (55) percent of MCR as per the CEA Technical Standards for Construction for a sustained period of four (4) hours.
- ii. Ramp-up from fifty-five (55) percent of MCR to MCR at a ramp rate of at least one (1) percent of MCR per minute, in one step or two steps (with stabilization period of 30 minutes between two steps), and sustained operation at MCR for one (1) hour.
- iii. Demonstrate overload capability with the valve wide open as per the CEA Technical Standards for Construction and sustained operation at that level for at least five (5) minutes.
- iv. Ramp-down from MCR to fifty-five (55) percent of MCR at a ramp rate of at least one (1) percent of MCR per minute, in one or two steps (with stabilization period of 30 minutes between two steps).
- v. Primary response through injecting a frequency test signal with a step change of \pm 0.1 Hz at 55%, 60%, 75% and 100% load.
- vi. Reactive power capability as per the generator capability curve as provided by OEM considering over-excitation and under-excitation limiter settings and prevailing grid condition.
- 4. **Documents and Tests Required for Hydro Generating Stations** including Pumped Storage Hydro Generating Station:
 - a. The generating company shall submit OEM documents for the turbine characteristics curve indicating the operating zone(s) and forbidden zone(s). In order to demonstrate the operating flexibility of the generating unit, it shall be operated below and above the forbidden zone(s).
 - b. The following tests shall be performed considering the water availability and head:
 - i. Primary response through injecting a frequency test signal with a step change of \pm 0.1 Hz for various loadings within the operating zone.
 - ii. Reactive power capability as per the generator capability curve considering over-excitation and under-excitation limiter settings.
 - iii. Black start capability, wherever feasible.
 - iv. Operation in synchronous condenser mode wherever designed.

5. Documents and Test Required for Gas Turbine based Generating Stations:

- a. The generating company shall submit OEM documents for (i) starting time of the unit in cold, warm and hot conditions (ii) design ramp rate.
- b. The following tests shall be performed:
 - i. Primary response through injecting a frequency test signal with a step change of ± 0.1 Hz for various loadings within the operating zone.
 - ii. Reactive power capability as per the generator capability curve considering over- excitation and under-excitation limiter settings.
 - iii. Black start capability up to 100 MW capacity, wherever feasible. Operation in synchronous condenser mode wherever designed.

6. Documents and Tests Required for the Generating Stations based on wind and solar resources:

- a. The generating company shall submit a certificate confirming compliance with CEA Technical Standards for Connectivity in accordance with subclause (a) of clause (4) of Regulation 5.9 of these regulations.
- b. Type test report for Fault Ride through Test (LVRT and HVRT) for units commissioned after the specified date as per CEA Technical Standards for Connectivity mandating LVRT and HVRT capability shall be submitted.
- c. The following tests shall be performed at the point of interconnection:
 - Frequency response of machines as per the CEA Technical Standards for Connectivity.
 - ii. Reactive power capability as per OEM rating at the available irradiance or the wind energy, as the case may be.
 - iii. Provided that the generating company may submit offline simulation studies for the specified tests, in case testing is not feasible before COD, subject to the condition that tests shall be performed within a period of one year from the date of achieving COD.

7. Documents and Tests Required for Energy Storage Systems:

- a. The ESS shall submit a certificate confirming compliance with the CEA Technical Standards for Connectivity in accordance with sub-clause (a) of clause (4) of Regulation 5.9 of these regulations.
- b. The following tests shall be performed at the point of interconnection:

- i. Power output capability in MW and energy output capacity in MWh. Frequency response of ESS.
- ii. Ramping capability as per design.

8. Documents and Tests Required for HVDC Transmission System:

The transmission licensee shall submit technical details including operating guidelines such as filter bank requirements at various operating loads and monopolar/ or bipolar configuration, reactive power controller, run-back features, frequency controller, reduced voltage mode of operation, circuit design parameters and power oscillation damping, as applicable.

The following tests shall be performed:

- i. Minimum load operation.
- ii. Ramp rate.
- iii. Overload capability, subject to grid condition.
- iv. Black start capability in the case of Voltage source convertor (VSC) HVDC wherever feasible.
- v. Dynamic Reactive Power Support (in the case of VSC based HVDC).

9. Documents and Tests Required for SVC or STATCOM:

- a. The transmission licensee shall submit technical particulars including a single line diagram, V/I characteristics, the rating of coupling transformer, the rating of each VSC, MSR and MSC branch, different operating modes, the IEEE standard Model, Power Oscillation Damping (POD) enabled and tuned (if not, then reasons for the same) and the results of an Offline simulation-based study to validate the performance of POD.
- b. The following tests shall be performed to validate the full reactive power capability of SVC and STATCOM in both directions i.e. absorption as well as injection mode:
 - i. POD performance test.
 - ii. dynamic performance testing:

Provided that the transmission licensee may submit offline simulation studies for the specified tests, in case the conduct of tests is not feasible before COD, subject to the condition that tests shall be performed within a period of one year from the date of achieving COD.

5.8 Certificate of Successful Trial Run:

- 1. In case any objection is raised by a beneficiary in writing to the SLDC with a copy to all concerned regarding the trial run within two (2) days of completion of such trial run, the SLDC shall, within five (5) days of receipt of such objection, in coordination with the concerned entity and the beneficiaries, decide if the trial run was successful or if there is a need for a repeat trial run.
- 2. After completion of a successful trial run and receipt of documents and test reports as per Regulation 6.7 of these regulations, the SLDC shall issue a certificate to that effect to the concerned generating station, ESS or transmission licensee, as the case may be, with a copy to their respective beneficiary (ies) and the STU, within three days.

5.9 Declaration by Generating Company and Transmission Licensee:

1. Thermal Generating Station:

- a. The generating company shall certify that:
 - i. The generating station or unit thereof meets the relevant requirements and provisions of the CEA Technical Standards for Construction, CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023, CEA (Flexible operation of thermal power plants) Regulations, 2023 and these regulations, as applicable.
 - ii. The main plant equipment and auxiliary systems including the balance of the plant such as the fuel oil system, coal handling plant, DM plant, pretreatment plant, fire-fighting system, ash disposal system and any other site specific system have been commissioned and are capable of full load operation of the units of the generating station on a sustained basis.
 - iii. Permanent electric supply system including emergency supplies and all necessary instrumentation, control and protection systems and auto loops for full load operation of the unit has been put into service.
- b. The certificates required under sub-clause (a) of this clause shall be signed by the authorized signatory not below the rank of CMD or CEO or MD of the generating company and shall be submitted to the SLDC before the declaration of COD.

2. Hydro Generating Station:

- a. The generating company shall certify that:
 - i. The generating station or unit thereof meets the requirement and relevant provisions of the CEA Technical Standards for Construction, CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023 and these regulations, as applicable.
 - ii. The main plant equipment and auxiliary systems including the drainage dewatering system, primary and secondary cooling system, LP and HP air compressor and fire fighting system have been commissioned and are capable of full load operation of units on a sustained basis.
 - iii. Permanent electric supply systems including emergency supplies and all necessary Instrumentations Control and Protection Systems and auto loops for full load operation of the unit are put into service.
- b. The certificates required under sub-clause (a) of this clause shall be signed by the authorized signatory not below the rank of CMD or CEO or MD of the generating company and shall be submitted to the SLDC before the declaration of COD.

3. Transmission system:

The transmission licensee shall submit a certificate signed by the authorized signatory not below the rank of CMD or CEO or MD of the company to the SLDC before declaration of COD that the transmission line, sub-station and communication system conform to the CEA Technical Standards for Construction, CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023 and these regulations and are capable of operation to their full capacity.

4. Wind, Solar, Storage, and Hybrid Generating Station:

a. The generating station based on wind and solar resources, the ESS and the hybrid generating station shall submit a certificate signed by the authorized signatory not below the rank of CMD or CEO or MD to the SLDC before declaration of COD, that the said generating station or the ESS as the case may

be, including main plant equipment such as wind turbines or solar inverters or auxiliary systems, as the case may be, has complied with all relevant provisions of CEA Technical Standards for Connectivity, CEA Technical Standards for Communication, CEA (Measures relating to Safety and Electricity Supply) Regulations, 2023 and these regulations.

5.10 Declaration of Commercial Operation (DOCO) And Commercial Operation Date (COD):

 A generating station or unit thereof or a transmission system or an element thereof or ESS may declare commercial operation as follows and inform CEA, SLDC, RLDC, RPC and its beneficiaries:

a. Thermal Generating Station or a unit thereof:

- i. The commercial operation date in the case of a unit of the thermal generation station shall be the date declared by the generating company after a successful trial run at MCR or de-rated capacity as per sub-clause (b) of clause (1) of Regulation 6.5 of these regulations, as the case may be, and submission of a declaration as per clause (1) of Regulation 6.9 of these regulations.
- ii. In the case of the generating station, the COD of the last unit of the generating station shall be considered as the COD of the generating station.

b. Hydro Generating Station:

- i. The commercial operation date in the case of a unit of the hydro generating station including a pumped storage hydro generating station shall be the date declared by the generating station after a successful trial run at MCR or de-rated capacity as per sub-clause (b) of clause (2) of Regulation 6.5 of these regulations, as the case may be, and submission of a declaration as per clause of Regulation 6.9 of these regulations.
- ii. In the case of the generating station, the COD of the last unit of the generating station shall be considered as the COD of the generating station.

c. Transmission System:

i. The commercial operation date in the case of an In-STS or an element thereof shall be the date declared by the transmission licensee on which the Transmission System or an element thereof is in regular service at 0000 hours after successful trial operation for transmitting electricity and communication signals from the sending end to the receiving end as per Regulation 6.6 and submission of a declaration as per clause (3) of Regulation 6.9 of these regulations:

Provided that the commercial operation date of a transmission element that is a part of the Associated Transmission System (ATS) shall be declared only after a successful trial run of the last element of the said ATS:

Provided further that where only some of the transmission elements of the ATS have achieved a successful trial run and the transmission licensee seeks commercial operation of such elements for utilization by such licensee and is agreed upon by the State Transmission Utility, the commercial operation date of such transmission elements of the ATS may be declared by the transmission licensee as per this Regulation:

Provided also that where only some of the transmission element(s) of the ATS have achieved a successful trial run and if the operation of such transmission elements is certified by the SLDC for improving the performance, safety and security of the grid, the commercial operation date of such transmission element(s) of the ATS may be declared by the transmission licensee as per this Regulation:

Provided also that in case a transmission system or an element thereof executed under regulated tariff mechanism is prevented from regular service on or after the scheduled COD for reasons not attributable to the transmission licensee or its supplier or its contractors but is on account of the delay in commissioning of the concerned generating station or in commissioning of the upstream or downstream transmission system of other transmission licensee, the transmission licensee shall approach the Commission through an appropriate petition along with a certificate from

the STU to the effect that the transmission system is complete as per the applicable CEA Standards, for approval of the commercial operation date of such transmission system or an element thereof:

Provided also that in the case of intra-State Transmission System executed through Tariff Based Competitive Bidding, the transmission licensee may declare deemed COD of the In-STS in accordance with the provisions of the Transmission Service Agreement after obtaining

- (a) a certificate from the STU to the effect that the transmission system is complete as per the specifications of the bidding guidelines and applicable CEA Standards and
- (b) no load charging certificate from the SLDC, where no load charging is possible.
- ii. The COD of a transmission element of the transmission system under Tariff Based Competitive Bidding shall be declared only after the declaration of the COD of all the pre-required transmission elements as per the Transmission Services Agreement:

Provided that in case any transmission element is required in the interest of the power system as certified by the SLDC, the COD of the said transmission element may be declared prior to the declaration of the COD of its pre- required transmission elements.

d. Communication System:

Date of commercial operation in relation to a communication system or an element thereof shall mean the date declared by the transmission licensee from 0000 hours of which a communication system or element thereof shall be put into service after completion of the site acceptance test including transfer of voice and data to the respective control centres as certified by the State Load Despatch Centre.

e. Generating Stations based on Wind and Solar resources; ESS and Hybrid Generating Station:

i. The commercial operation date in the case of units of a renewable

generating station aggregating to 5 MW and above or such other limit as specified in clause (3) of Regulation 6.5 of these regulations, shall mean the date declared by the generating station after undergoing a successful trial run as per clause (3) of Regulation 6.5 of these regulations, submission of declaration as per clause (4) of Regulation 6.9 of these regulations, and subject to fulfilment of other conditions, if any, as per PPA.

- ii. In the case of a generating station as a whole, the commercial operation date of the last unit of the generating station shall be considered as the COD of the generating station.
- Scheduling of the generating station or unit thereof shall start from 0000 hours of COD Provided date of COD shall be informed to SLDC at least 2 days prior to COD:

Provided all the requirements have been complied with by Generating Station or Transmission Licensee as specified in these regulations and its procedures.

Chapter 6: Operating Code

6.1 General:

- 1. The primary objective of the integrated operation of the In-STS to ensure integrity, stability and resilience of the grid is to enhance the overall operational economy and reliability of the entire network spread over the geographical area of the State. Users shall cooperate with each other and adopt good utility practices at all times to function in coordination to ensure integrity, stability and resilience of the grid and achieve economy and efficiency in the operation of power system of In-STS.
- 2. All Users, In-STS and Intra State Entity shall comply with this Operating Code, for deriving maximum benefits from the integrated operation and for equitable sharing of responsibilities.
- 3. All licensees, generating company and any other Users connected to the In-STS shall comply with the directions issued by the concerned load despatch centres to ensure integrated grid operation and for achieving the maximum economy and efficiency in the operation of the In-STS.

6.2 Operating Conditions:

- 1. SLDC shall supervise the overall operation of the In-STS.
- 2. SLDC, in coordination with OCC formed under GCRP, detailed operating procedures for State grid shall be developed, maintained and updated by the SLDC, consistent with the detailed operating procedures of SRLDC for managing the In-STS. These operating procedures shall include the following:
 - a. Black start procedures;
 - b. System restoration procedures for partial grid failure; Load curtailment procedures;
 - c. Renewable energy curtailment procedures; Islanding procedures; and
 - d. Any other procedure considered appropriate by the SLDC.
 - e. Provided that such procedures shall be developed in consultation with Users, licensees, renewable energy developers and RLDC within 60 days from the date of notification of these Regulations.
 - f. Provided further that such procedures, after consulting in Grid Code Review Panel, shall be provided to all the Users. A copy of the same shall be uploaded on SLDC's website and submitted to the Commission for information.
- 3. The control rooms of the SLDC including Area load Despatch Centre, Generating Stations, Substations of 33 kV and above and any other control centres of Transmission Licensees and Users shall be managed Round the Clock by qualified and adequately trained personnel. Alternatively, the same may be operated round the clock from a remotely located control room, subject to the condition that such remote operation does not result in a delay in the execution of any switching instructions and information flow:

Provided that a transmission licensee owning a transmission line but not owning the connected substation, shall have a coordination centre functioning round the clock, manned by qualified personnel for operational coordination with the concerned load despatch centres and equipped to carry out the operations as directed by concerned load despatch centres.

- 4. Provided that the control centres of distribution licensees including deemed distribution licensees shall carry out functions such as demand forecasting, load management, power management and real time revisions in schedule, demand curtailment etc. The control rooms shall have regular interaction with SLDC and act upon the instructions received from SLDC. The distribution licensees shall also develop online tracking and monitoring system for distributed generation including rooftop solar PV systems above 50kW within its licence area for facilitating decisions of revision of drawal schedule during intra-day operation.
- 5. QCA shall have coordination centres functioning round the clock, manned by qualified personnel for operational coordination with the concerned load despatch centres and generating stations. ESS and Bulk Consumers, which are Intra State entities shall have coordination centres functioning round the clock and manned by qualified personnel for operational coordination with the concerned load despatch centres.

6.3 System Security Aspects:

- 1. All Users and Transmission Licensees shall endeavour to operate their respective power systems and power stations in synchronization with each other at all times in coordination with the concerned load despatch centres.
- 2. All switching operations, manually or automatic, shall be based on guidelines of the following:
 - a. KEGC / IEGC Regulations, and as amended from time to time;
 - b. Instructions/Guidelines/Procedures issued by SLDC;
 - c. Directives of the Commission; and
 - d. Decisions/Recommendations made by Grid Code Review Panel.
- 3. No part of the In-STS shall be deliberately isolated from the rest of the grid, except -
 - a. Under an emergency and conditions in which such isolation will prevent a total grid collapse and/or will enable early restoration of power supply;
 - b. When serious damage to the equipment is imminent and such isolation will prevent it;
 - c. When such isolation is specifically instructed by the SLDC;
 - d. On the operation of under frequency/ islanding scheme as approved by SLDC; For the safety of human and/or animal life. Any such isolation shall be reported to the respective SLDC within the next 15 minutes.

- 4. Complete synchronization of the In-STS shall be restored as soon as the conditions permit. The restoration process shall be supervised by SLDC, in coordination with ALDC in accordance with the operating procedures separately formulated by SLDC.
- 5. No important element of the In-STS shall be deliberately opened or removed from service at any time, except when specifically instructed by SLDC or with a specific and prior clearance of SLDC. The list of such important grid elements including vital distribution elements on which the above stipulations apply shall be prepared and reviewed at least in every three months by the SLDC in consultation with the Transmission Licensees and Users and shall be available on SLDC's website:

Provided that, in case of opening/removal of any important element of the In-STS under an emergency situation, the same shall be communicated to SLDC within fifteen (15) minutes after the event:

Provided further that any emergency tripping not advised or permitted by SLDC shall be put up before the PCCC, in the subsequent meeting.

6. Any tripping, whether manual or automatic, of any of the elements of the In-STS, referred in Regulation 7.3 (3), shall be precisely intimated by the concerned Transmission Licensee or User to the SLDC within fifteen (15) minutes. The reason, to the extent determined, and likely time of restoration shall also be intimated within half an hour. All reasonable attempts shall be made for the elements' restoration as soon as possible:

Provided that the information/data from disturbance recorder, sequential event logger outputs, etc., containing the sequence of tripping and restoration or any other information as asked, shall be sent to SLDC for the purpose of analysis:

Provided further that such information/data may be directly made available at SLDC through suitable communication media for faster post fault analysis during grid disturbances.

7. Maintenance of grid elements shall be carried out by the respective users in accordance with the provisions of the CEA Grid Standards. Outage of an element that is causing or likely to cause danger to the grid or sub-optimal operation of the

- grid shall be monitored by the SLDC. SLDC shall report such outages to the Commission and grid code review panel shall issue suitable instructions to restore such elements in a specified time period.
- 8. SLDC, in coordination with SRLDC, Users and Transmission Licensees shall make all possible efforts to ensure that frequency remains within the band of 49.90 Hz to 50.05 Hz as specified in CERC (IEGC) Regulations, and as amended from time to time.
- 9. Users and Transmission Licensees shall provide automatic under-frequency and df/dt relay-based load curtailment/islanding schemes in their respective systems, wherever applicable, to arrest frequency decline that could result in a collapse/disintegration of the In-STS, as per the directives of the Regional Power Committee (RPC) and PCCC and shall ensure its effective application to prevent cascade tripping of generating units in case of any contingency.
- 10. Users and Transmission Licensees shall ensure that the under-frequency and df/dt relay- based load curtailment/islanding schemes, mentioned in Regulation 7.3 (9) are always functional:
 - Provided that the relays may be temporarily kept out of service, in extreme contingencies, with the prior consent of SLDC.
- 11. Transmission licensees and Users shall carry out periodic inspection of the under-frequency relays and produce the report to SLDC. SLDC shall maintain the record of under frequency relay and/or df/dt relay operation details:
 - Provided that SLDC shall decide and intimate the action required to the Users and Transmission Licensee to get required load relief from under frequency relay and/or df/dt relay operation:
 - Provided also that SLDC shall keep comparative data of expected load relief and actual load relief obtained in real-time system operation.
 - 12. Users and Transmission Licensees shall facilitate identification, installation and commissioning of System Protection Schemes in the power system (including intertripping and runback) as finalized by PCCC, to operate the In-STS closer to their limits and protect against situations including voltage collapse, cascading and tripping of the important corridor:

Provided that such schemes shall always be kept in service. If any such scheme is to be taken out of service, prior permission of SLDC shall be obtained indicating the reasons and period of the anticipated outage from service:

- Provided further that such schemes shall be prepared by SLDC after due consultations with PCCC formed under GCRP.
- 13. SLDC, in consultation with the STU, users and transmission licensee, shall prepare detailed procedures in accordance with CEA (Grid Standards) Regulations, 2010 and as per the Restoration/Recovery procedures of these Regulations for restoration of the State grid under partial and total blackouts which shall be reviewed and updated annually by the SLDC. These procedures shall be followed by all the Users, STU and SLDC to ensure consistent, reliable, and quick restoration.
- 14. Each User and Transmission Licensee shall provide adequate and reliable communication facility internally and to SLDC, other Users and other Transmission Licensees to ensure the exchange of data/information necessary to maintain reliability and security of the In-STS. Wherever possible, redundancy and alternate path shall be maintained for communication along the important routes, e.g., Users to Distribution Licensee/respective entity to SLDC.
- 15. All Users and Transmission Licensees shall send the requested information/data including disturbance recorder/sequential event recorder output, etc., within 24 hours to SLDC for the purpose of analysis of any grid disturbance/event. No User or Transmission Licensee shall block any data/information required by the SLDC and/or RLDC for maintaining reliability and security of the State and/or Regional Grid and for analysis of an event.
- 16. A generating unit shall be capable of continuously supplying its normal rated active and/or reactive output at the rated system frequency and voltage, subject to the design limitations specified by the manufacturer.
- 17. A generating unit shall be provided with an Automatic Voltage Regulator (AVR), protective devices and safety devices, as set out in Connection Agreement and/or specified by the Authority.
- 18. All generating units shall be provided with an AVR, protective and safety devices, as set out in Connection Agreement. All generating units shall normally have their AVR in operation, with appropriate settings:

Provided that in case a generating unit of over 100 MW is required to be operated without its AVR in service, the SLDC shall be immediately intimated about the reason and duration, and its permission is obtained.

- 19. The tuning of AVR, PSS, Voltage Controllers including for low and high voltage ride through capability of wind and solar generators or any other requirement as per CEA Technical Standards for Connectivity shall be carried out by the respective generating station:
 - a. at least once every five (5) years;
 - b. based on operational feedback provided by the SLDC after analysis of a grid event or disturbance; and
 - c. in case of major network changes or fault level changes near the generating station as reported by STU or SLDC, as the case may be.
 - d. in case of a major change in the excitation system of the generating station.
- 20. Power System Stabilizers (PSSs), AVRs of generating units and reactive power controllers shall be properly tuned by the generating station as per the plan and the procedure prepared by the RPC. In case the tuning is not complied with as per the plan and procedure, the SLDC shall issue notice to the defaulting generating station to complete the tuning within a specified time, failing which the SLDC may approach the Commission under Section 33 of the Act.
- 21. Provisions of protection and relay settings shall be coordinated periodically throughout the State grid, as per the plan finalized by the RPC/PCCC in accordance with the Protection Code of these regulations.
- 22. RPC will prepare the islanding schemes in accordance with the CEA Grid Standards for identified generating stations, cities and locations and ensure their implementation. The islanding schemes shall be reviewed and augmented depending on the assessment of critical loads at least once a year or earlier, if required.
- 23. The Mock drill of the islanding schemes which will be carried out annually by the RLDC in coordination with the SLDC and other users involved in the islanding scheme. In case mock drill with field testing is not possible to be carried out for a particular scheme, joint simulation testing shall be carried out by the RLDC, SLDC & STU.

24. All distribution licensees, transmission licensees and bulk consumers shall provide automatic under- frequency relays (UFR) and df/dt relays for load shedding in their respective systems to arrest frequency decline that could result in grid failure as per the plan given by the RPC from time to time. The default UFR settings shall be as specified in Table-2 below:

Table 2: Default UFR Settings

SI. No.	Stage of UFR Operation	Frequency (Hz)
1	Stage-1	49.40
2	Stage-2	49.20
3	Stage-3	49.00
4	Stage-4	48.80

Note 1: STU shall plan UFR settings and df/dt load shedding schemes depending on their local load generation balance in coordination with and approval of the RPC.

Note 2: Pumped storage hydro plants operating in pumping mode or ESS operating in charging mode shall be automatically disconnected before the first stage of UFR.

The load shedding for each stage of UFR operation, in percentage of demand or MW shall be as finalized by the RPC.

- 25. The following shall be factored in while designing and implementing the UFR and df/dt relay schemes:
 - a. The under-frequency and df/dt load shedding relays are always functional.
 - b. Demand disconnection shall not be set with any time delay in addition to the operating time of the relays and circuit breakers.
 - c. There shall be a uniform spatial spread of feeders selected for UFR and df/dt disconnection. SLDC shall ensure that telemetered data of feeders (MW power flow in real time and circuit breaker status) on which UFR and df/dt relays are installed is available at its control centre.
 - d. SLDC shall monitor the combined load in MW of these feeders at all times.
 - e. SLDC shall share the above data with the RLDC in real time and submit a monthly exception report to the RPC.
 - f. RLDC will inform SLDC as well as the RPC on a quarterly basis, durations during the quarter when the combined load in MW of these feeders was

- below the level considered while designing the UFR scheme by the RPC.
- g. SLDC shall take corrective measures within a reasonable period and inform the RLDC and RPC, failing which suitable action may be initiated by the RPC.
- h. RPC will undertake a monthly review of the UFR and df/dt scheme and also carry out random inspection of the under-frequency relays. RPC will publish such a monthly review along with an exception report on its website.
- i. SLDC shall report the actual operation of UFR and df/dt schemes and load relief to the RLDC and RPCs and publish the monthly report on its website.
- 26. SLDC, STU or users may identify the requirement of System Protection Schemes (SPS) (including inter-tripping and run-back) in the power system to operate the transmission system within operating limits and to protect against situations such as voltage collapse, cascade tripping and tripping of important corridors/flow-gates. Any such SPS at the intra-State level shall be finalized after conducting system studies by the SLDC in consultation with PCCC. SPS shall be installed and commissioned by the concerned users. SPS shall always be kept in service. If any SPS at the intra-state level is to be taken out of service, the permission of the SLDC shall be required.

27. Special requirements for Renewable Energy:

- a. System Operator shall make all efforts to evacuate the available Solar, wind, mini-hydel and hybrid of wind/solar/mini-hydel sources and treat the plants as must-run stations. However, SLDC may instruct such generator to back down generation in case grid security or safety of any equipment or personnel is likely to be endangered and such Renewable Energy (RE) sources shall comply with the same. For this, Data Acquisition System facility shall be provided by the generator for transfer of information to the SLDC. The RE curtailment procedure shall be prepared by Grid Code Review Panel and same shall be implemented after approval of the Commission.
 - SLDC may direct a Wind/Solar//mini-hydel Generators to curtail its VAR drawal/injection in case the security of grid or safety of any equipment or personnel is endangered.
 - ii. During the wind generator start-up, the wind generator shall ensure that the reactive power drawal (inrush currents in case of induction generators) shall not affect the grid performance.

6.4 Frequency Control and Reserves:

6.4.1 Frequency Control:

- The National Reference Frequency is 50.000 Hz and the allowable band of frequency range 49.900-50.050 Hz or Specified by Central Commission from time to time. The frequency shall be measured with a resolution of +/-0.001 Hz by SLDC and such frequency data measured every second shall be archived by SLDC.
- 2. The SLDC shall endeavour that the grid frequency remains close to 50.000 Hz and in case frequency goes outside the allowable band, ensure that the frequency is restored within the allowable band of 49.900-50.050 Hz at the earliest in consultation with RLDC and NLDC.
- 3. All users shall adhere to their schedule of injection or drawal, as the case may be, and take such action as required under these regulations and as directed by Load Despatch Centres so that the grid frequency is maintained and remains within the allowable band.

6.4.2 Reserves:

- 4. There shall be reserves as under:
 - a. Primary, Secondary and Tertiary reserves:
 - Primary, Secondary and Tertiary reserves shall be deployed for the purpose of frequency control, reducing area control error and relieving congestion.
 - ii. The response under Primary reserve shall be provided as per these Regulations.
 - iii. Secondary reserves including automatic generation control and demand response shall be deployed by the control area as per these regulations or the CERC Ancillary Services Regulations or the respective Regulations on Ancillary Services of the State, as the case may be.
 - iv. Tertiary reserves shall be deployed by the control area as per these Regulations or the CERC Ancillary Services Regulations or the respective Regulations on Ancillary Services of the State, as the case may be.

b. Black Start reserves:

Generating stations having black start capability, ESS and HVDC Station based on VSC shall be identified by SLDC in consultation with RLDC at the State level, to act as black start reserves.

c. Voltage Control reserves:

Voltage Control reserves shall be deployed for controlling the voltage at a bus or sub-system through reactive power injection or drawal.

- 5. The reserves shall be operated as Ancillary Services, namely (a) Primary Reserve Ancillary Service (PRAS); (b) Secondary Reserve Ancillary Service (SRAS); (c) Tertiary Reserve Ancillary Service (TRAS); (d) Black Start Ancillary Services; and (e) Voltage Control Ancillary Services.
- 6. The mechanism of procurement and deployment of PRAS, SRAS & TRAS shall be as specified in these regulations or in the CERC Ancillary Services Regulations as amended from time to time, as the case may be, until the State Commission Specifies the mechanism of procurement and deployment of PRAS, SRAS and TRAS.
- 7. The primary response of the generating units shall be verified by the SLDC during grid events. The concerned generating station shall furnish the requisite data to the SLDC within two days of notification of reportable event by the NLDC.

6.4.3 Control Hierarchy:

8. Inertia: The power system shall be operated at all times with a minimum inertia to be stipulated by SLDC so that the minimum nadir frequency post reference contingency stays above the threshold set for under frequency load shedding (UFLS). To maintain the minimum inertia, the SLDC may, if required, bring quick start generation (including synchronous generation) on bar and reschedule generation including curtailment of wind, solar and wind-solar hybrid generation, in coordination with the RLDC and NLDCs. The compensation for such quick start generation (including synchronous generation) shall be included in the procedure to be prepared by SLDC and approved by the Commission.

9. Primary Control:

- a. Primary control is local automatic control in a generating unit or energy storage system or demand side resource for the purpose of adjusting its active power output or consumption, as the case may be, in response to frequency excursion. Primary control is the immediate automatic control implemented through turbine speed governors or frequency controllers.
- b. Primary control shall be provided by the Primary Reserves Ancillary Service (PRAS).

- c. The minimum quantum of PRAS required for reference contingency will be declared by NLDC at the start of each financial year.
- d. The generating stations and units thereof shall have electronically controlled governing systems or frequency controllers in accordance with the CEA Technical Standards for Connectivity and are mandated to provide PRAS. The generating stations and units thereof with governors shall be under Free Governor Mode of Operation.
- e. SLDC may also identify other resources such as ESS and demand resource to provide PRAS in consultation with RLDC & NLDC for which PRAS Providers shall be compensated in accordance with the CERC Ancillary Services Regulations.
- f. SLDC shall assess the frequency response characteristics (FRC) and Frequency Response Performance (FRP) for Intra state entity(ies) within the State control area as per procedure formulated by NLDC.
- g. All the generating units shall have their governors or frequency controllers in operation all the time with droop settings of 3 to 6 % (for thermal generating units and WS Seller) or 0-10% (for hydro generating units) as specified in the CEA Technical Standards for Connectivity
- h. The primary response requirement shall be as mentioned in Table 4.

TABLE 4:
Primary Response of Various Types of Generating Units:

Fuel/ Source	Minimum unit size/Capacity	Up to
Coal/Lignite Based	200 MW and above	±5% of MCR
Hydro	25 MW and above	±10% of MCR
Gas based	Gas Turbine above 50 MW	±5% of MCR (corrected for ambience temperature)
WS Seller (commissioned after the date as specified in the CEA Technical Standards for Connectivity)	Capacity of Generating station more than 10 MW and connected at 33 kV and above	As per CEA Technical Standards for Connectivity

Provided that:

i. WS Sellers commissioned after the date as specified in CEA Technical Standards for Connectivity shall have the option to provide primary

- response individually through ESS or through a common ESS installed at its pooling station.
- ii. Nuclear generating stations and hydro generating stations (with pondage up to 3 hours or Run-of-the river projects) shall be exempt from mandatory primary response. They may provide the primary response to the extent possible, considering the safety and security of machines and humans.
- i. All generating stations mentioned in Table-4 (under sub-clause (f) of this clause) shall have the capability of instantaneously picking up to a minimum of 105% of their operating level and up to 105% or 110% of their MCR, as the case may be, when the frequency falls suddenly and thus providing primary response whenever conditions arise.
 - Any generating station not complying with the above requirements shall be kept in operation (synchronized with the State/regional grid) only after obtaining the permission of the SLDC.
- j. All generating stations, including the WS seller mentioned in Table-4 (under sub-clause (f) of this clause) shall have the capability of reducing output at least by 5% or 10%, as applicable, of their operating level and up to 5% or 10% of their MCR, as applicable, limited to the minimum turndown level when the frequency rises above the reference frequency and thus providing primary response, whenever condition arises. Any generating station not complying with the above requirements shall be kept in operation (synchronized with the State/regional grid) only after obtaining permission from the SLDC.
- k. The normal governor action shall not be suppressed in any manner through load limiter, Automatic Turbine Run-up System (ATRS), turbine supervisory control or coordinated control system and no time delays shall be deliberately introduced. In the case of a renewable energy generating unit, a reactive power limiter or power factor controller or voltage limiter shall not suppress the primary frequency response within its capabilities. The inherent dead band of a generating unit or frequency controller shall not exceed +/- 0.03 Hz.

The governor shall be set with respect to a reference frequency of 50.000 Hz and response outside the dead band shall be with respect to a total change in frequency.

- The thermal and hydro generating units shall not resort to Valve Wide Open (VWO) operation to make available margin for providing governor action.
- m. The PRAS shall start immediately when the frequency deviates beyond the dead band as specified in sub-clause (j) of this clause and shall be capable of providing its full PRAS capacity obligation within 45 seconds and sustaining at least for the next five (5) minutes.
- n. SLDC shall assess its frequency response characteristics of its control area and share the assessment with the RLDC along with high resolution data of at least 10 (ten) seconds for Intra state entity Generating Stations and energy storage systems. Higher resolution data from GT terminal shall be furnished by Generators to SLDC, which shall be verified by SLDC and same will be furnished to SRLDC.
- o. All intra state entity Generating Stations and Users (as applicable) connected to In-STS shall submit their frequency response characteristics (FRC) to SLDC on monthly basis to corroborate their self-certification regarding the compliance to governor mode of operation.
- p. Except under an emergency, or to prevent imminent damage to the equipment, no User shall suddenly reduce his generating unit output by more than the limit as specified by the SLDC, without prior intimation to and consent of the SLDC. Similarly, no User shall cause a sudden variation in its load by more than the limit as specified by the SLDC, without prior intimation to and consent of the SLDC. All the Users shall ensure that temporary overvoltage due to sudden load rejection and the maximum permissible values of voltage unbalance shall remain within limits specified under IEGC or Authority as amended from time to time.
- q. SLDC shall grade the median Frequency Response Performance annually, considering at least 10 reportable events. In case the median Frequency Response Performance is less than 0.75 as calculated as per the procedure of IEGC-2023, SLDC after analyzing the FRP shall direct the concerned entities to take corrective action. All such cases shall be reported to the RPC for its review.

10. Secondary Control:

- a. Secondary control is a centralized automatic function to regulate the generation or load in a control area to restore the frequency within the allowable band or replenish deployed primary reserves.
- b. Secondary Control shall be provided by a generating station or an entity having energy storage resource or an entity capable of providing demand response, on a standalone or aggregated basis, connected to an inter-State transmission system or an intra-State transmission system, as a Secondary Reserve Ancillary Service (SRAS) Provider, as specified in the CERC Ancillary Services Regulations in the absence of KERC Ancillary Services Regulations.
- c. Secondary control signals will be automatically generated from SLDC and will be transmitted to SRAS Providers for desired automated response when the Area Control Error (ACE) for each State goes beyond the minimum threshold limit of ±10 MW, which may be reviewed from time to time based on the review of the performance of SRAS. However, the SRAS provider participating in National/Regional SRAS secondary control signals will be automatically generated from NLDC and will be transmitted to SRAS Providers through the RLDC exercising the control area jurisdictions for desired automated response when the Area Control Error (ACE) for each region goes beyond the minimum threshold limit of ±10 MW, which may be reviewed from time to time based on the review of the performance of SRAS. However, in this case the State DSM would be corrected in real time.

Provided that as and when the bi-directional communication system of National/Regional SRAS providers with RLDC is fully established, secondary control signals will be automatically generated from the respective RLDC.

d. ACE of State shall be auto calculated at the control centre of SLDC based on telemetered values, and external inputs, namely, the Frequency Bias Coefficient and Offset referred to in sub-clauses (f) and (g) respectively of this clause as per the following formula:

ACE =
$$(Ia-Is) - 10 * Bf * (Fa - Fs) + Offset$$

Where,

Ia = Actual net interchange in MW (positive value for export)
Is = Scheduled net interchange in MW (positive value for export)

Bf = Frequency Bias Coefficient in MW/0.1 Hz (negative value).

Fa = Actual system frequency in Hz

Fs = Schedule system frequency in Hz

Offset = Provision for compensating measurement error

- e. Frequency Bias Coefficient (Bf) shall be assessed and declared by NLDC for the State. Frequency Bias Coefficient shall normally be based on the median Frequency Response Characteristics (FRC) observed during the previous financial year of each control area and refined from time to time.
- f. Offset shall be used to account for measurement errors and shall be decided by SLDC for its control area.
- g. Secondary control may be operated under tie-line bias control, flat frequency control or flat tie-line control mode depending on grid requirements:
- h. Provided that Secondary control may be suspended due to system maintenance or grid security or for any other reasons to be recorded in writing.
- Schedule system frequency (Fs) shall be a reference frequency of 50 Hz unless otherwise specified by NLDC under certain conditions to be recorded in writing.
- j. SLDC shall compute the ACE of the state control area in real time based on telemetered data. ACE data shall be archived at an interval of 10 seconds or less. SLDC shall share the data with the RLDC and NLDC.
- k. The SRAS Providers shall start responding to SRAS signals within thirty (30) seconds of receipt of the signal and shall be capable of providing the entire SRAS capacity obligation within fifteen (15) minutes and sustaining it at least for the next thirty (30) minutes. The secondary reserves shall be gradually replaced by tertiary reserves within 30 minutes.
- I. With due regard to the requirement of planning reserve margin and resource adequacy referred to in Chapter 3 of these regulations and based on the following methodologies, the secondary reserve capacity requirements shall be estimated by SLDC for State control areas:

The positive and negative secondary reserve capacity requirements for any control area for a calendar year shall be equal to the 99 percentile of positive and negative ACE respectively of that control area during the previous financial year

OR

The secondary reserve capacity requirement for any control area shall be equal to the 110% of the largest unit size in the respective regional control area or state control area plus load forecast error plus wind forecast error plus solar forecast error during the previous calendar year.

OR

Such other methodology as may be stipulated by NLDC after obtaining the due approval of the Central Commission.

- m. Until specified by the State Commission, the methodology specified in subclause (k) of this clause shall be adopted by the SLDC to estimate the secondary reserve capacity requirement in State control areas.
- n. The reserve capacity requirement as per the methodology mentioned in sub-clauses (m) of this clause shall be estimated by SLDC by 15th January every year for the next financial year and submitted to NLDC.
- o. All India secondary reserve capacity requirement for the regional control area and the State control area will be estimated by NLDC based on reference contingency and other factors such as forecast errors.
- p. NLDC will allocate such All India secondary reserves capacity, to be maintained at regional control area and at State control area, based on the estimated reserves as per sub-clauses (k) and (l) of this clause and publish the information on its website by 25th January every year.
- q. NLDC through RLDC will re-assess the quantum of requirement of secondary reserves required at the state control area three days before the day of scheduling and communicate the same to the SLDC. Same shall be apportioned to their control area of Distribution Licensee by SLDC.
- r. SLDC shall ensure the availability of the quantum of secondary reserve at the State control area with due regard to the secondary reserves estimated and allocated for the State as published by NLDC in terms of sub-clauses (o) and (p) of this clause by allocating each Distribution Licensee/s, and inform the same to the RLDC and NLDC two days before

- the day of scheduling. The modalities for information exchange and timelines in this respect shall be as per the detailed procedure to be issued by NLDC.
- s. If a Distribution licensee/s falls short of maintaining secondary reserve capacity as allocated to it in terms of sub-clauses (o) or (p) of this clause, whichever is lower, the SLDC will procure such Secondary reserve capacity on behalf of the Distribution Licensee/s under advance intimation to the Distribution Licensee/s and allocate the cost of procurement of such capacity to that Distribution Licensee/s based on the assessment. SLDC may use the amount for procurement of secondary reserves from the DSM pool account, RE DSM pool account or any other pool account specified by the State Commission.
- t. Further, If SLDC falls short of maintaining secondary reserve capacity as allocated to it in terms of sub-clauses (o) or (p) of this clause, whichever is lower, the NLDC through RLDC will procure such Secondary reserve capacity on behalf of the State under advance intimation to the State and allocate the cost of procurement of such capacity to that State based on the CERC Regulations & detailed procedures and its amendments from time to time. The Procedure for cost allocation among Users/generating Stations shall be finalized by Grid Code Review Panel and approved by KERC.
- u. SLDC shall indicate the shortfall in secondary reserves, if any, and announce emergency alerts for such periods.
- v. Secondary reserves will be procured by the SLDC from a generating station or an entity having energy storage resources or an entity capable of providing demand response, on a standalone or aggregated basis, connected to an intra-State transmission or Service provider in an inter-State transmission system in accordance with the CERC Ancillary Services regulations in the absence of KERC Ancillary Services regulations.
- w. All thermal generating stations having a capacity of more than 200 MW and hydro generating stations having a capacity of more than 25 MW shall make arrangements to enable automatic operation of the plant from the Appropriate load despatch centre by integrating the controls and telemetering features of their system into the automatic generation control

in accordance with the CEA Technical Standards for Construction and the CEA Technical Standards for Connectivity. The communication system shall be established in accordance with the CEA Communication Regulations.

- x. All renewable energy generating stations and ESS shall be equipped with the facility to control active power injection in accordance with the CEA Connectivity Standards and the communication system shall be established in accordance with the CEA Technical Standards for Communication.
- y. SRAS shall have a bi-directional communication system along with metering and SCADA telemetry in place as per the requirements stipulated in the Detailed Procedure issued under the CERC Ancillary Service Regulations in the absence of KERC Detailed Procedure on Ancillary Service Regulations.

11. Tertiary Control:

- a. Tertiary reserve requirement for the regional control area and the State control area, will be estimated by NLDC with due regard inter alia to the requirement of planning reserve margin and resource adequacy as referred to in IEGC and its amendments, so as to take care of contingencies and to cater to the need for replacing secondary reserves estimated as per clause (6.5.2.5) 7.4.3.10 of this Regulation by 25th January every year, which will be implemented for the next financial year from 1st April onwards by the State control areas.
- b. NLDC will allocate such tertiary reserve capacity, to be maintained at state control areas, based on the estimated reserves as per IEGC and publish the information on its website by 25th January every year.
- c. NLDC through RLDC will re-assess the quantum of requirements for tertiary reserves required at the state control area three days before the day of scheduling and communicate the same to the SLDC. Same shall be apportioned to their control area of Distribution Licensee by SLDC.
- d. Distribution licensee/s shall ensure the availability of the quantum of tertiary reserve at their control area with due regard to the tertiary reserves estimated and allocated for the State as published by NLDC in terms of sub-clauses (b) and (c) of this clause, and inform the same to the SLDC

two days before the day of scheduling.

- e. Distribution licensee/s shall ensure availability of the quantum of tertiary reserve at their control area on day ahead basis with due regard to the tertiary reserves estimated and allocated for its share by SLDC in terms of sub-clause (b) and (c) of this clause, and inform the same to the SLDC.
- f. If a Distribution licensee/s falls short of maintaining tertiary reserve capacity as allocated to it in terms of sub-clauses (b) or (c) of this clause, whichever is lower, the SLDC will procure such tertiary reserve capacity on behalf of the Distribution Licensee/s under advance intimation to the Distribution Licensee/s and allocate the cost of procurement of such capacity to that Distribution Licensee/s based on the assessment. SLDC may use the amount for procurement of tertiary reserves from the DSM pool account, RE DSM pool account or any other pool account specified by the State Commission.
- g. Further, if a SLDC falls short of maintaining tertiary reserve capacity as allocated to it in terms of sub-clauses (b) or (c) of this clause, whichever is lower, the NLDC through RLDC will procure such tertiary reserve capacity on behalf of the said State under advance intimation to the State and allocate the cost of procurement of such capacity to that State based on the methodology as mandated in IEGC. The Procedure for cost allocation among Users/generating Stations would be finalized by Grid Code Review Panel and approved by the Commission.
- h. Tertiary reserves will be procured by the SLDC/NLDC from a generating station or an entity having energy storage resourced or an entity capable of providing demand response, on a standalone or aggregated basis, connected to an inter-State transmission system or an intra-State transmission system in accordance with the Ancillary Services regulations.
- i. Tertiary reserves to be provided by the TRAS provider shall be capable of providing TRAS within fifteen (15) minutes of despatch instructions from SLDC/NLDC, and shall be capable of sustaining the service for at least the next 60 minutes. TRAS shall be activated and deployed by the appropriate load despatch center on account of the following events:
 - i. To replenish the secondary reserve, in case the secondary reserve has been deployed continuously in one direction for fifteen (15)

minutes for more than 100 MW or in respect of the State such other volume limit as may be specified by the KERC;

- ii. Generating unit or transmission line outages;
- iii. Any such other event affecting the grid security.

12. The quantum of reserves procured for State control area shall be communicated by SLDC to the RLDC.

6.5 Operational Planning:

1. Time Horizon

- a. Operational planning shall be carried out in advance by SLDC within control areas with Monthly and Yearly time horizons in co- ordination with STU, RPC or Users, as applicable.
- b. Operational planning shall be carried out in advance by SLDC within control areas on Intra-day, Day Ahead, Weekly time horizons.
- c. SLDC in consultation with RLDC/NLDC shall issue procedures and formats for data collection to carry out:
 - i. Operational planning analysis,
 - ii. Real-time monitoring,
 - iii. Real-time assessments.

2. Demand Estimation:

- a. The SLDC shall set out the responsibilities for short term (one day to 52 weeks) demand estimation of active as well as reactive power (MW, MVAr and MWh) for operational purpose. It shall also provide procedures, formats as well as timelines to be followed for exchange of information between the concerned entities for arriving at these estimates:
 - Provided that SLDC shall refer to the demand estimate considered by the STU while developing the transmission system plan **under Resource Planning Code** of these Regulations.
- b. Demand estimation by SLDC shall be for both active power and reactive power incidents on the transmission system based on the details collected from distribution licensees, grid-connected distributed generation resources, captive power plants and other bulk consumers embedded within the State.
- c. SLDC shall also estimate peak and off-peak demand (active as well as reactive power) on a weekly and monthly basis for load generation

balance planning as well as for operational planning analysis, which shall be a part of the operational planning data. The demand estimates mentioned above shall have granularity of a time block. The estimate shall cover the load incident on the grid as well as the net load incident taking into account embedded generation in the form of roof-top solar and other distributed generation.

- d. All Buyers shall be responsible for the estimation of their own demand. Buyers shall submit their demand estimation to SLDC for demand estimate of the State.
- e. Each Buyer shall develop methodology for daily/weekly/monthly/yearly demand estimation in MW and MWh for operational analysis purposes as well resource adequacy. All Buyers shall also maintain historical database for demand estimation.
- f. Each Buyer shall utilize state of the art tools, weather data, historical data, and any other data for getting effective demand estimate for operational use. Each Buyer shall compare the actual demand with forecast demand and compare the forecasting error for improvement. The Buyers shall maintain the data of forecast error for daily/day- ahead/weekly/monthly and yearly basis on their website.
- g. The demand estimation shall cover the different time periods such as short term, medium term, and long term as applicable for operational purposes. The time period shall be decided after considering the requirements under other existing Regulations for furnishing demand estimate related information.
- h. Each Buyer shall submit node-wise morning peak, evening peak, day shoulder and night off-peak estimated demand in MW and MVAr on monthly and quarterly basis at all nodes including and above 110 kV for preparation of scenarios for computation of ATC/TTC by SLDC.
- i. Timeline for submission of demand estimate data by Distribution licensees/Buyer or other entities directly connected to In-STS, as applicable, to SLDC shall be as follows:

Table 5: Timeline for Demand Estimation

Daily demand estimation	09:00 hours of previous day	
Weekly demand estimation	First working day of previous week(By 13:00hrs)	
Monthly demand estimation	Fourth day of previous month	
Yearly demand estimation	15th September of the previous year	

j. SLDC and Distribution licensee/Buyer shall compute forecasting error for intra-day, day- ahead, weekly, monthly and yearly forecasts and analyze the same in order to reduce forecasting error in the future. The computed forecasting errors shall be made available by SLDC and Distribution licensee/Buyer on their respective websites.

6.6 Outage Planning:

1. Outage planning shall be prepared for the grid elements in a coordinated and optimal manner keeping in view the system operating conditions and grid security. The coordinated generation and transmission outage plan for the national and regional grid shall take into consideration all the available generation resources, demand estimates, transmission constraints, and factor in water for irrigation requirements, if any. To optimize the transmission outages of the national and regional grids, to avoid grid operation getting adversely affected and to maintain system security standards, the outage plan shall also take into account the generation outage schedule and the transmission outage schedule.

2. Annual outage plan shall be prepared as follows:

- a. Annual outage plan of grid elements under State control areas, shall be prepared in advance for the financial year by the SLDC in consultation with the users, STU, and reviewed before every quarter and every month.
- b. Annual outage plan shall be prepared in such a manner as to minimize the overall downtime, particularly where multiple entities are involved in the outage of any grid element(s).
- c. The outage plan of hydro generation plants, REGS and ESS and its associated evacuation network shall be prepared with a view to extracting maximum generation from these sources.

Example: Outage of wind generator may be planned during lean wind season. Outage of solar generator, if required, may be planned during the

- rainy season. Outage of hydro generator may be planned during the lean water season.
- d. Protection relay related outages, auto-re-closure outages and SPS testing outages shall be planned on a monthly basis with the prior permission of the SLDC.

3. Outage Planning Process shall be as follows:

a. All Users including buyers and sellers and Transmission Licensees shall provide SLDC with their proposed planned outage programmes in writing for the next financial year by 31st July of each year. These shall contain identification of each Generating Unit/Transmission Line/Interconnecting Transformer for which outage is being planned, reasons for the outage, the preferred date for each outage and its duration and where there is flexibility, the earliest start date and latest end date.

SLDC shall prepare the outage programme for the next financial year by 31st August of each year for the In-STS.

Provided that outage plan shall be developed after considering system security and reliability and shall be developed such that the extent of unmet system demand on account of such a plan is kept to a minimum:

Provided further that in case of hydro generating stations such a plan shall also endeavour to maximize the utilization of water for the purpose of power generation subject to applicable constraints related to alternate use of such water:

- b. All Users and STU shall follow annual outage plans published by SLDC. If any deviation is required, the same shall be obtained with the prior permission of SLDC (As Approved by SRPC for Applicable elements). The outage planning of run-of-the-river hydro plant, wind and solar power plant and its associated evacuation network shall be planned to extract maximum power from these renewable sources of energy.
- c. Transmission Outage Planning shall be harmonized with Generation Outage Planning and Distribution System Outage Planning shall be harmonized with Generation and Transmission Outage Planning.

d. The final outage plan for next year shall be intimated to all Users and Transmission Licensee latest by 31st December of each year:

Provided that SLDC shall prepare annual outage plan for generating units and transmission elements after carrying out necessary system studies in order to ensure system security and resource adequacy and finalize the outage plan in consultation with the Users and Transmission Licensee:

Provided further that the above annual outage plan shall be reviewed by OCC(RPC)/SLDC on monthly basis in coordination with all concerned parties, and adjustments made wherever found necessary.

- e. All users and STU, licensees shall follow the annual outage plan. If any deviation is required, the same shall be allowed only with the prior permission of the SLDC.
- f. Each User or Transmission Licensee shall, at least D-3 prior to availing an outage as per the planned schedule, inform SLDC about the outage and obtain prior approval from it to avail outage
- g. SLDC shall have the authority to defer any planned outage in case of occurrence of following events:
 - i. Major grid disturbances (e.g., partial/total blackout); System isolation;and
 - ii. Any other event in the system that may have an adverse impact on the system security by the proposed outage.

Provided that SLDC shall inform about the revised outage plan, with appropriate reasons for revisions in the outage plan, as soon as possible.

h. In case of emergency in the system, which may include events like loss of generation, breakdown of the transmission line, grid disturbances and system isolation, SLDC may appropriately review the situation before clearance of the planned outage:

Provided that scheduled outage of power stations of 10 MW capacity and above as notified by SLDC from time to time, will be subject to annual planning:

- i. SLDC shall prepare and submit to RPC its outage plan in writing for the next financial year by 31ST October for each year. These shall contain identification of each Generating Unit/Transmission Line/Interconnecting Transformer for which outage is being planned, reasons for the outage, the preferred date for each outage and its duration and where there is flexibility, the earliest start date and latest finishing date. SLDC shall submit Load Generation Balance Report for peak as well as off-peak scenario by 31st October for the next financial year to RPC. The annual plans for managing deficits/surpluses shall be clearly indicated in the Load Generation Balance Report (LGBR).
- Scheduled outage of power stations and EHV transmission lines affecting regional power system shall be effected only with the approval of RLDC in coordination with SLDC.
- k. SLDC shall upload quarterly, half-yearly, yearly outage reports on its website.
- In respect of scheduled outage referred to in this Regulation, a calendar shall be formulated in respect of Annual Outage Planning for the ensuing financial year. Such outage plan shall be deliberated and finalized in the meeting of the OCC.

6.7 Operational Planning Study:

the operational studies

a. Based on the operational planning analysis data, operational planning study shall be carried out by various agencies for time horizons as under:

Table-6: Time Horizon for Operational Planning Study

Time horizon of operational planning Study	Agency	Means for carrying out study		
Real time and Intra- day		For various operating conditions using online/offline SCADA/EMS system		
Day-ahead	SLDC	For various operating conditions using offline tools		
Weekly	SLDC	For various operating conditions using offline tools		
Monthly/Yearly	SLDC and STU	For various operating conditions using offline tools		
Note: The transmission element outages shall not be processed without conducting				

b. SLDC shall utilize network estimation tool integrated in their EMS and SCADA systems for the real time operational planning study. All users shall make

available at all times real time error free operational data for the successful execution of network analysis using EMS/SCADA. Failure to make available such data shall be immediately reported to the SLDC along with a firm timeline for restoration. The performance of online network estimation tools at SLDC shall be reviewed in the OCC meeting. Any telemetry related issues impacting the online network estimation tool shall be monitored by SLDC for their early resolution:

- c. SLDC shall perform day-ahead, weekly, monthly and yearly operational studies for the State for:
 - i. assessment and declaration of total transfer capability (TTC) and available transfer capability (ATC) for the import or export of electricity by the State. TTC and ATC shall be revised from time to time based on the commissioning of new elements and other grid conditions and shall be published on SLDC website with all the assumptions and limiting constraints;
 - ii. planned outage assessment; special scenario assessment;
 - iii. system protection scheme assessment; natural disaster assessment; and
 - iv. any other study relevant in operational scenario.
- d. SLDC shall assess and declare the State TTC and ATC and submit to RLDC and NLDC. NLDC will declare TTC and ATC for import or export of electricity between regions including simultaneous import or export capability for a region, 11 (Eleven) months in advance for each month on a rolling basis. SLDC shall declare the revised TTC and ATC from time to time based on the commissioning of new elements and other grid conditions and shall be published on the websites of the SLDC with all the assumptions and limiting constraints.
- e. Operational planning study shall be done to assess whether the planned operations shall result in deviations from any of the system operational limits defined under these regulations and applicable CEA Standards. The deviations, if any, shall be reviewed in the OCC meeting and significant deviations shall be monitored by SLDC for early resolution.
- f. SLDC shall maintain records of the completed operational planning study, including date of specific power flow study results, the operational plan and minutes of meetings on operational study.
- g. SLDC shall have operating plans to address potential deviations from system operational limit identified as a result of the operational planning study. These

operating plans shall be communicated to users in advance so that they can take corrective measures and same would be furnished to RPC. In case any user is unable to adhere to such an operating plan, it shall inform the SLDC in advance with detailed reasons and explanations for the non-adherence. These detailed reasons and explanations shall be discussed in OCC meeting and a quarterly report shall be submitted by the SLDC to the Commission and RPC, CFA.

- h. SLDC shall undertake a study on the impact of new elements to be commissioned in the intra-state system in the next six (6) months on the TTC and ATC for the State and share the results of the studies with RLDC. NLDC, RLDC will compare the results of the studies of the impact of new elements on the system and transfer capability addition with those of the interconnection and planning studies by CTU and STU, and any significant variations observed shall be communicated to CEA, RPCs, CTU and STU for immediate and long-term mitigation measures.
- i. Defence mechanisms like system protection scheme, load-rejection scheme, generation run-back, islanding scheme or any other scheme for system security shall be proposed by the concerned user or SLDC or RLDC or NLDC and shall be deployed as finalized by the RPC.

6.8 System Restoration/Recovery Procedures:

- 1. Based on the template issued by SLDC of control area shall prepare restoration procedures for the grid, which shall be updated every year by the SLDC taking into account changes in the configuration of their respective power systems.
- 2. SLDC, in consultation with the RLDC, STU, users and RPC, shall prepare detailed procedures for restoration of the State grid under partial and total blackouts which shall be reviewed and updated annually by the SLDC.
- 3. Detailed plans and procedures for restoration after partial/total blackout of each User/ Transmission Licensee shall be finalized by the concerned Users and Transmission Licensees in coordination with SLDC. The procedure should be reviewed, confirmed, and/or revised once every subsequent year. Mock trial runs of the procedure or different sub system shall be carried out by the User/Transmission Licensee at least once in a year under intimation to SLDC. Diesel generator sets and other standalone auxiliary supply source to be used for black start shall be tested on a weekly basis and the user shall send the test reports to

the SLDC on a quarterly basis.

Provided that Users shall agree to such plans and procedure and promptly inform SLDC in advance wherever they have difficulty in complying with the same.

- 4. Simulation studies shall be carried out by each user in coordination with SLDC for preparing, reviewing and updating the restoration procedures considering the following:
 - i. Black start capability of the generator;
 - ii. Ability of black start generator to build cranking path and sustain island; Impact of block load switching in or out;
 - iii. Line/transformer charging;
 - iv. Reduced fault levels:
 - v. Protection settings under restoration condition.

Provided that such procedure shall consider the generation capabilities and operational constraints of ISTS and In-STS.

- 5. The thermal and nuclear generating stations shall prepare themselves for house load operation as per design. The concerned user and SLDC shall report the performance of house load operation of a generating station in the event where such operation was required.
- 6. List of generating stations with black start facility, intra-state/Inter State ties, synchronizing points and essential loads to be restored on priority, shall be prepared and will be available with SLDC. The list shall be reviewed and confirmed by Grid Code Review Panel.
- 7. During the restoration process following a blackout, SLDC is authorized to operate with reduced security standards for voltage and frequency and may direct the implementation of such operational measures, namely, suspension of secondary or tertiary frequency control, power market activities, defense schemes, reduced governor droop setting as necessary, in order to achieve the fastest possible recovery of the grid.
- 8. All communication channels required for restoration process shall be used for operational communication only, till grid normalcy is restored.
- 9. Distribution Licensees or Users with essential loads shall separately identify nonessential components of such loads, which may be kept off during system

contingencies. Distribution Licensees shall draw up an appropriate schedule with corresponding load blocks in each case and assign relative priority in the restoration of essential loads. The non-essential loads shall be put on only when system normalcy is restored, as advised by SLDC.

- 10. All Users shall pay special attention to carry out the procedures so that secondary collapse due to undue haste or inappropriate loading is avoided. Despite the urgency of the situation, careful, prompt, and complete logging of all operations and operational messages shall be ensured by all the Users to facilitate subsequent investigation into the incident and the efficiency of the restoration process. Such investigation shall be conducted promptly after the incident.
- 11. SLDC shall carry out the post-disturbance analysis of all major grid disturbances resulting into total or partial system blackout or system split and desynchronization of any part of the State Grid. All Users shall coordinate and furnish the data pertaining to the system disturbance to enable SLDC to analyze the system disturbance and furnish a report to RLDC in accordance with the provisions of IEGC, as amended from time to time.
- 12. PCCC under Grid Code Review Panel shall also review the data collected and analyze the failure of protection system either of In-STS or any User and recommend modification and/or improvement in the protection system or relay setting schemes and, if necessary, of the islanding and restoration scheme of In-STS and Southern Region, to be carried out by the Grid Users.
- 13. Any entity extending black start support by way of injection of power as identified in clause (6) of this Regulation shall be paid for actual injection @ 110 % of the normal rate of charges for deviation in accordance with DSM Regulations for the last block in which the grid was available. The procedure in this regard shall be prepared by Grid Code Review panel in consultation with stakeholders and approved by the Commission.

6.9 Real Time Operation:

1. System state

Power system shall be categorized under normal, alert, emergency, extreme emergency and restoration state depending on the type of contingencies and value of operational parameters of the power system.

a. Normal state

Power system shall be categorized under normal state when the power system is operating with operational parameters within their respective operational limits and equipment are within their respective loading limits. Under normal state, the power system is secure and capable of maintaining stability under contingencies defined in the CEA Transmission Planning Criteria.

b. Alert state

Power system shall be categorized under alert sate when the power system is operating with operational parameters within their respective operational limits, but a single contingency ('N-1') leads to a violation of security criteria. The power system remains intact under such alert state. However, whenever the power system is under alert sate, the system operator shall take corrective measures to bring it back to a normal state.

c. Emergency state

Power system shall be categorized under emergency state when the power system is operating with operational parameters outside their respective operational limits or equipment are above their respective loading limits. Emergency state can arise out of multiple contingencies or any major grid disturbance in the system. The power system remains intact under such emergency state. However, whenever the power system is under emergency sate, the system operator, to bring back the power system to alert/normal state shall take corrective measures such as:

- extreme measures such as load shedding, generation unit tripping, line tripping or closing,
- emergency control action such as HVDC Control, Excitation Control,
 HP-LP Bypass, tie line flow rescheduling on critical lines, and
- automated action such as system protection scheme, load curtailment scheme and generation run-back scheme.

d. Extreme Emergency state

Power system shall be categorized under extreme emergency state if the control actions taken during the emergency state are not able to bring the system either to an alert state or a normal state and operational parameters

are outside their respective operational limits or equipment are critically loaded. Extreme emergency state may arise due to high impact low frequency events like natural disasters. The power system may or may not remain intact (splitting may occur) and extreme events like generation plant tripping, bulk load shedding, under frequency load shedding (UFLS) and under voltage load shedding (UVLS) operation may occur.

e. Restorative State

Power system shall be categorized under restorative state when control action is being taken to reconnect the system elements and restore system load. The power system transits from a restorative state to either an alert state or a normal state, depending on the system conditions.

- 2. SLDC in consultation with STU and users shall carry out the study for the State Control Area and based on historical data and grid incidences evolve detailed criteria to categorize the power system in terms of the above states. The detailed criteria shall be included in the Detailed Operating Procedure to be issued by SLDC.
- 3. SLDC shall maintain the grid in the normal state by taking suitable measures. In case the power system moves away from the normal state, appropriate measures shall be taken to bring the system back to the normal state. In case the power system has moved to an extreme emergency state, SLDC shall take emergency action and initiate restorative measures immediately.
- 4. In the case of an event on the intra-State transmission system that may significantly impact the inter-State transmission system, the SLDC shall immediately inform the RLDC;
- 5. In the case of an event on the intra-State transmission system or relating to a State control area, the concerned entity shall immediately inform the SLDC.
- 6. Any planned operation activity in the In-STS system [such as generating unit synchronization or de-synchronization, transmission element opening or closing (including breakers), protection system outage, SPS outage and testing etc.] shall be done by taking operational code from SLDC. The operational code shall have validity period of sixty (60) minutes from the time of issue. In case such operation activity does not take place within the validity period of the code, the entity shall obtain a fresh operational code from SLDC.

6.10 Congestion Management:

STU in consultation with SLDC shall develop a procedure for relieving congestion in the In-STS within a period of six months from the notification of these Regulations:

Provided that till the time such procedures are developed, Congestion Management in real-time system shall be dealt with as per the Central Commission's relevant Regulations as amended from time to time:

Provided further that such procedure shall be reviewed by Grid Code Review Panel and shall be provided to all the Users and shall be kept on the website of SLDC as well as STU.

Provided also that congestion charges shall be applicable if determined by the Commission from time to time.

6.11 Demand and Load Management:

- 1. SLDC shall be responsible for reduction of demand in the event of insufficient generating capacity, inadequate transfers from external interconnections to meet demand, or in the event of breakdown or congestion in In-STS or ISTS or other operating problems (such as frequency, ACE, voltage levels beyond normal operating limit, or thermal overloads of the equipment and lines, etc.) or over drawal of power vis-à-vis that of intra-state entities beyond the Volume limits specified in CERC DSM Regulations.
- 2. SLDC for the safety of In-STS may direct the Users to curtail their drawal from the In-STS. Such directions shall include the time period or the system conditions until which the issued directions shall be applicable:

Provided that any non-compliance of such direction shall be dealt with as per the provisions of Monitoring and Compliance Code of these Regulations.

6.12 Demand Curtailment:

- Buyers including distribution licensees and Users shall endeavour to restrict their actual drawal, from In-STS, of its control area within their respective drawal schedules.
- 2. SLDC, in coordination with STU and Distribution Licensee (s), shall develop Automatic Demand Management scheme with emergency controls at SLDC.

- Provided that if automatic demand management scheme is not available, the manual load curtailment shall occur to ensure that there is no over drawal.
- 3. The measures taken by the buyers including distribution licensee or User shall not be withdrawn as long as the frequency remains at a level lower than the limits specified or congestion continues unless specifically permitted by the SLDC.
- 4. Each buyer including distribution licensee or user, or STU shall formulate contingency procedures and make arrangements that will enable demand disconnection to take place, as instructed by the SLDC, under normal and/or contingent conditions:
 - Provided that SLDC may direct to modify such procedures or arrangement, if required, in the interest of grid security and concerned Users shall abide by these directions.
- 5. SLDC through respective distribution licensees or Users may formulate and implement state-of-the-art demand management schemes for automatic or manual demand management like under frequency relays, rotational load curtailment, demand response within six months from the notification of these Regulations:
 - Provided that such schemes shall be duly prepared in coordination with OCC and approved by the Grid Code Review Panel.
- 6. Particulars of feeders or group of feeders at Transmission Licensee, distribution licensee and User substation which shall be tripped under under-frequency load curtailment scheme whether manually or automatic on a rotational basis or otherwise shall be displayed on their website for information of the consumer(s).
- 7. SLDC shall devise standard, instantaneous, message formats to give directions in case of contingencies and/or threat to the system security to reduce over drawal by any User/distribution licensee at different over drawal conditions depending upon the severity of the over drawal:
 - Provided that the concerned User or distribution licensee shall ensure immediate compliance with these directions of SLDC. In case of certain contingencies and/or threat to system security, the SLDC may direct Users to decrease their drawal and such Users shall act upon such directions immediately:

Provided that such directions shall include the time period or the system conditions until which the issued directions shall be applicable:

Provided further that SLDC and Transmission Licensees shall ensure that requisite load curtailment is carried out by buyers including distribution licensees/Users in its control area so that there shall not be any over drawal:

Provided further that any non-compliance with such directions shall be dealt with as per the provisions of Monitoring and Compliance Code of these Regulations.

6.13 Load Crash:

- In the event of load crash due to weather disturbance or any other reasons, SLDC shall control the situation by getting the following methods implemented from Distribution Licensee(s) and other Users in descending priorities:
 - i. Lifting of the load restrictions, if any;
 - ii. Instructing Buyer or Distribution Licensee/s or Users as the Case may be, to explore market mechanism in optimum and economical manner;
 - iii. Exporting the power to neighbouring regions/ States provided the same does not endanger the security of the ISTS and is in economical and optimal manner.
 - iv. Backing down/Unit Shut Down (USD) of thermal stations of ISGS/In-SGS/LTA/MTOA contracts subject to Merit order Despatch. The Backing down of LTA/MTOA contracts shall be as per the respective terms and conditions of respective contracts.
 - v. Closing down of hydel units (subject to non-spilling of water and effect on irrigation and Major Hydro plant kept as secondary ancillary reserves/hot reserves to maintain DSM and ACE within the limits) keeping in view the inflow of water into canals and safety of canals/hydel channels.
 - vi. Renewable Energy (RE) Back down.

Provided that any other instructions issued by RLDC shall assume priority over such methods: Provided further that such methods shall be reviewed from time to time by Grid Code Review Panel.

6.14 Post-Despatch Analysis:

1. Operational analysis:

- a. SLDCs shall analyze the following:
 - i. Pattern of demand met, under drawals and over drawals, frequency

profile, voltage and tie-line flows, angular spread, area control error, reserve margin, load and RE forecast errors, ancillary services dispatched, transmission congestion and (N-1) violations;

- ii. Generation mix in terms of source and station wise generation;
- iii. Irregular pattern in any of the system parameters mentioned in subclauses (a)(i) and (a)(ii) of this clause and reasons thereof; and
- iv. Extreme weather events or any other event affecting grid security.
- b. Such analysis shall be disclosed on their respective websites in formats issued by SLDC.
- c. SLDC shall prepare a quarterly report that shall bring out the system constraints, reasons for not meeting the requirements, if any, of security standards and quality of service, along with details of actions taken, including by those responsible for causing disturbances in the system parameters.
- d. SLDC shall also provide such a report to the RPC.
- e. For the purpose of analysis and reporting, telemetered data shall be archived with a granularity of not more than five (5) minutes and higher granularity for special events. Such data shall be stored by SLDC for at least fifteen (15) years and reports shall be stored for twenty-five (25) years for operational analysis.

2. Event reporting:

Event reporting shall make available adequate data to facilitate event analysis.

- a. Immediately following an event (grid disturbance or grid incidence as defined in the CEA Grid Standards) in the system, the concerned user or transmission licensee shall inform the SLDC through voice message.
- b. Written flash report shall be submitted to SLDC by the concerned user within the time line specified in Table 8 below.
- c. Disturbance Recorder (DR), station Event Logger (EL), Data Acquisition System (DAS) shall be submitted within the time line specified in Table 8 below.
- d. SLDC shall report the event (grid disturbance or grid incidence) to CEA, RPC and all intra state entities within twenty-four (24) hours of receipt of the flash report.
- e. After a complete analysis of the event, the user shall submit a detailed

- report in the case of grid disturbance or grid incidence within one (1) week of the occurrence of event to SLDC and RPC.
- f. RLDCs and NLDC (for events involving more than one region) will prepare a draft report of each grid disturbance or grid incidence including simulation results and analysis which will be discussed and finalized at the Protection sub-committee of RPC as per the timeline specified in Table-8 below.

SL. No	Grid Event^ (Classification)	Flash report submission deadline (users/ SLDC)	Disturbance record and station event log submission deadline (users/SL DC)	Detailed report and data submission deadline (users/SL DC)	Draft report submission deadline (RLDC/ NLDC)	Discussion in protection committee meeting and final report submission deadline (RPC)
1	GI-1/GI-2	8 hours	24 hours	+7 days	+7 days	+60 days
2	Nearmiss event	8 hours	24 hours	+7 days	+7 days	+60 days
3	GD-1	8 hours	24 hours	+7 days	+7 days	+60 days
4	GD-2/GD-3	8 hours	24 hours	+7 days	+21 days	+60 days
5	GD-4/GD-5	8 hours	24 hours	+7 days	+30 days	+60 days

Table 7: Report submission timeline

The classification of Grid Disturbance (GD)/Grid Incident (GI) shall be as per the CEA Grid Standards.

- g. The implementation of the recommendations of the final report will be monitored by the protection sub-committee of the RPC. SLDC shall disseminate the lessons learnt from each event to the RPC for necessary action in the control area.
- h. Any additional data such as single line diagram (SLD) of the station, protection relay settings, HVDC transient fault record, switchyard equipment and any other relevant station data required for carrying out analysis of an event by SLDC shall be furnished by the users, within forty-eight (48) hours of the request. All users shall also furnish high-resolution analog data from various instruments including power electronic devices like HVDC, FACTS, renewable generation (inverter level or WTG level) on the request of SLDC.
- i. Triggering of STATCOM, TCSC, HVDC run-back, HVDC power oscillation damping, generating station power system stabilizer and any other controller system during any event in the grid shall be reported to the concerned RLDC and RPC if connected to ISTS and to the concerned

SLDC if connected to an intra-state system. The transient fault records and event logger data shall be submitted to the concerned RLDC or SLDC within 24 hours of the occurrence of the incident. Generating stations shall submit 1 second resolution active power and reactive power data recorded during oscillations to the concerned RLDC or SLDC within 24 hours of the occurrence of the oscillations.

3. Major Grid Incidence:

- a. Following a major grid incident, SLDC and other Users shall co-operate to enquire and establish the cause of such failure and make appropriate recommendations. SLDC shall report the occurrence of such major grid failure to the SRPC \ Commission in writing as well as SRLDC immediately for information and shall submit the enquiry report to the Commission within two months of the incident. Analysis of major grid disturbance in the Intra-State Power System soon after their occurrence shall be done by a PCCC constituted under Grid Code Review Panel. If the disturbance is of major nature the SRPC will also conduct detailed analysis of the incident. The User, the generator, the distribution licensee and the transmission licensees shall furnish required data to STU and SRPC.
- b. Periodic Reports –STU/Transmission licensee shall send a weekly report to SLDC on the performance of their respective systems which should cover the following information:
 - i. Voltage profile at all Substations 66kV/110kV and above.
 - ii. Average, maximum, minimum demand (both MW and MVAR) met at such Substations.
 - iii. Quantum and duration of load shed, with reasons. Outage of major elements.
 - iv. Network constraints.
 - v. Daily energy consumed and energy exchanged by the Distribution Licensee.
- c. The SLDC shall post on its website a monthly performance report of the State as a whole covering:
 - i. Hourly demand met and generation for peak and minimum demand met on every day. Also the average daily off-peak and peak demands met.

- ii. Daily average consumption.
- iii. Station wise daily maximum, minimum and average generation (MW), together with daily energy generation.
- iv. Instances of non-compliance of the State Grid Code.
- v. Progress of construction of new generating units, lines and transformers. Details of generation and transmission outages during the month.

4. Warnings:

- a. An oral warning shall be issued by SLDC and confirmed in writing as well, to the STU/ Transmission Licensee and the users, who may be affected when SLDC knows that there is a risk of widespread and serious disturbance to the whole, or part of the total system.
- b. Provided that sufficient time is available, the warning shall contain such information as the SLDC considers reasonable, to explain the nature, extent of the anticipated disturbance, to the user and STU/ Transmission Licensee, provided that such information is available to SLDC.
- c. Each user and STU/ Transmission Licensee, on receipt of such a warning, shall take necessary steps to warn the operational staff and maintain their plant and apparatus in the condition in which it is best able to withstand the anticipated disturbance for the duration of the warning.
- d. Scheduling and despatch may be affected during the period covered by such a warning.

5. Loss of communication with SLDC:

- a. In the event of loss of communication with SLDC, the provision made as above shall not apply; instead, the following provision shall apply:
- b. Each generating station shall continue to operate in accordance with the last despatch instruction issued by SLDC, but shall use all reasonable endeavour to maintain the system frequency at the target of 50 Hz, plus or minus 0.05 Hz by monitoring frequency, until such time the new despatch instructions are received from SLDC.

6. Accident Reporting:

Report of accidents shall be in accordance with the Section 161 of the Electricity Act, 2003 and the Rules framed thereunder. Reporting of accident and failure of supply or transmission of electricity shall be in the specified form to the Commission and the Electrical Inspector.

6.15 Periodic Reports:

 A daily report covering the performance of the In-STS shall be prepared by SLDC based on the inputs from Users and shall be put on its website. This report shall also cover the wind and solar power generation and injection into the Grid.

- A weekly and monthly report covering the performance of the In-STS shall be prepared by SLDC. Such weekly report shall be available on the SLDC website for at least 12 weeks.
- 3. The reports shall, inter-alia, contain the following:
 - i. Frequency profile;
 - ii. Voltage profile of selected substations normally having low/high voltages;Demand and Supply situation;
 - iii. Major Generation and Transmission Outages;
 - iv. Transmission constraints;
 - v. Instances of persistent/significant non-compliance of the KEGC;
 - vi. Instances of congestion in In-STS;
 - vii. Instances of inordinate delays in restoration of transmission elements and generating units;
 - viii. Source wise generation;
 - ix. ISTS Drawal from the grid and area control error;
 - x. Demand met (peak, off-peak and average);
 - xi. Demand/Energy unserved in MW and MWh;
 - xii. Instances and quantum of curtailment of renewable energy;
 - xiii. Constraints and instances of congestion in the transmission system;
 - xiv. Status of reservoirs.
 - xv. Non-compliance of instructions of SLDC by Users resulting in noncompliance of these Regulations;
 - xvi. Total Declared Capacity/scheduled and actual generation/drawal of the Intra State Entities:
 - xvii. Lines/Substations operating near thermal rating or rated capacity; and Lines/Substations drawing/injecting excessive reactive power.
 - xviii. Summary of ISTS transactions and In-STS Open Access transactions.
 - xix. Any other report as stipulated by the Commission from time to time.

Provided that the weekly and monthly report may categorize the grid incidents (GI) as GI-1 to GI-2 and grid disturbance (GD) as GD-1 to GD-5 based on the severity of tripping as per the provisions of CEA (Grid Standards) Regulations, 2010, as amended from time to time.

4. A monthly report covering the performance of the In-STS including Monthly CPD/NCPD shall be prepared by SLDC and made available on its website.

- 5. SLDC shall prepare a quarterly report which shall bring out the system constraints, reasons for not meeting the requirements, if any, of security standards and quality of service, along with the details of various actions taken by different Users/Transmission Licensees, and the Users/Transmission Licensees responsible for causing the constraints.
- 6. The SLDC shall also provide information/report to the RLDC as per the provisions of IEGC in the interest of smooth operation of ISTS.
- 7. The SLDC shall provide the operational feedback to the STU with a copy to the Commission, once in every three months with regard to under/over voltage issues / overloading of various transmission elements and may suggest suitable remedial measures to be taken.

6.16 Procedure for Operational Liaison:

- In case the State Grid may or will, experience an operational effect while carrying out any operation on the Transmission system, the concerned User or a Transmission Licensee, shall inform to the SLDC before carrying out such operation with details of the operation to be carried out.
- The User or a Transmission Licensee shall, immediately following an event on its system, inform the SLDC, in case the State Grid may or will, experience an operational effect following the event, and give details of what happened in the event.
- 3. Forced outages of important network elements in the State Grid shall be closely monitored by the concerned Licensee/User. Licensee/User shall send a monthly report of prolonged outage of generators or transmission facilities to the SLDC.
- 4. All operational instructions given by SLDC shall have unique codes which shall be recorded and maintained as specified by the Authority.
- 5. Any planned operation activity in the In-STS system [such as generating unit synchronization or de-synchronization, transmission element opening or closing (including breakers), protection system outage, SPS outage and testing etc.] shall be done by taking operational code from SLDC. The operational code shall have validity period of sixty (60) minutes from the time of issue. In case such operation activity does not take place within the validity period of the code, the entity shall obtain a fresh operational code from SLDC.
- 6. Forced outages of important network elements in the State Grid shall be closely monitored at SLDC level and necessary actions/restorations instructions will be

issued by SLDC to Users/Transmission Licensees.

7. Any operation in a State having an impact on other state(s)/region(s) shall be intimated by the SLDC to RLDC.

6.17 Voltage Control and Reactive Power Management:

- a. All generating stations shall be capable of supplying reactive power support so as to maintain power factor at the point of interconnection within the limits of 0.95 lagging to 0.95 leading as per the CEA Connectivity Standard Regulations amended from time to time.
- b. Reactive power compensation and/or other facilities shall be provided by the Distribution Licensee/Users, as far as possible, in the areas prone to low or high voltage systems close to the load points thereby avoiding the need for exchange of Reactive Power to/from the In-STS and to maintain the In-STS voltage within the specified range at all the times. Their healthiness and operation as per real time requirement shall be ensured by the Distribution Licensee/User/STU.
- c. Switchable Line Reactors may be provided to control temporary over voltage within the limits set out in connection agreements.
- d. The additional reactive compensation to be provided by the User shall be indicated by the STU in the Connection Agreement for implementation.
- e. Any additional reactive compensation to be provided by the Distribution Licensee /User shall be directed by the SLDC/STU which needs to be complied with by Distribution Licensee/User.
- f. Users shall endeavor to minimize the Reactive Power drawal at an interchange point when the voltage at that point is below 97% of rated voltage and shall not inject Reactive Power when the voltage is above 103% of rated voltage. Interconnecting Transformer taps at the respective drawal points may be changed to control the Reactive Power interchange as per a User's request to the SLDC, but only at reasonable intervals.
- g. Reactive power compensation should ideally be provided locally, by generating Reactive Power as close to the Reactive Power consumption as possible. The intra-State entities are therefore expected to provide local VAr compensation/generation, such that they do not draw VArs from the State grid, particularly under low-voltage conditions. To discourage VAr drawal by intra-

State entities, VAr exchanges with Intra-State Transmission System shall be priced as follows:

- i. The intra-State entity pays for VAr drawal when voltage at the metering point is below 97%,
- ii. The intra-State entity gets paid for VAr return when voltage is below 97%.
- iii. The intra-State entity gets paid for VAr drawal when voltage is above 103%.
- iv. The intra-State entity pays for VAr return when voltage is above 103%. Where all voltage measurements are at interface point with In-STS.
- h. The charge for VArh shall be at the rate of 5 paise/kVArh w.e.f. the date of effect of these regulations. This rate shall be escalated at 0.5 percent /kVArh per year thereafter, unless otherwise revised.
- i. All the Inverter Based Resources (IBRs) covering wind, solar and energy storage shall ensure that they have the necessary capability, as per CEA Connectivity Standards, all the time including non-operating hours and night hours for solar. The active power consumed by these devices for purpose of providing reactive power support, when operating under synchronous condenser/night-mode, shall not be charged under deviations and shall be treated as transmission losses in the In-STS.
- j. For IBRs of capacity 10 MW and below not coming directly to the point of interconnection but through the pooling at the Power Park Developer end, the Power Park Developer or QCA shall act as aggregator for the Reactive Energy Charges for payments to and from the Pool Account at SLDC. The depooling of Reactive Energy charges amongst the individual wind and solar shall be done by the Power Park Developer or QCA or aggregator.
- k. SLDC shall finalize Methodology & Procedure for carrying out Reactive Energy accounting of intra state entity(ies) within 15 days of notification of these Regulations and submit for the approval of the Commission.
- I. SLDC shall issue the weekly statement for VAr charges, to all intra state entities.
- m. The concerned intra state entities shall pay the amounts into State Pool Account operated by the SLDC within 10 (ten) days of issue of statement.
- n. The intra state entities who have to receive the money on account of VAr charges would then be paid out from the regional Pool Account, within two

- (2) working days from the receipt of payment in the Pool Account.
- o. If payments against the above VAr charges are delayed by more than two days, i.e., beyond twelve (12) days from issue of the statement by SLDC, the defaulting intra state entity shall pay simple interest @ 0.04% for each day of delay. The interest so collected shall be paid to the intra state entities who had to receive the amount, payment of which got delayed.
- p. Persistent payment defaults, if any, shall be reported by the SLDC to the Commission, for initiating remedial action.
- q. Wind generating stations and solar generating stations shall have fault ride through the capability of not less than 300 milliseconds so that the grid is not destabilized due to sudden outage of generation in the event of grid disturbance. The provisions of the CEA's Regulations for Low Voltage Ride Through (LVRT) and High Voltage Ride Through (HVRT) shall be applicable to the Wind and Solar Generators as amended from time to time.
- r. Hydro and gas generating units having this capability shall operate in synchronous condenser mode operation as per instructions of the SLDC. Standalone synchronous condenser units shall operate as per the instructions of SLDC. The compensation for such synchronous condenser mode operation shall be the rate as may be specified by the State Commission. In the absence of such rate determined by the State Commission, the rates determined by the Central Electricity Regulatory Commission for inter-State transactions will be applicable.
- s. SLDC shall take appropriate measures to maintain the voltage within limits, inter-alia, using the following facilities, and the facility owner shall abide by the instructions of SLDC:
 - i. shunt reactors,
 - ii. shunt capacitors (excluding HVDC automatic control),
 - iii. TCSC,
 - iv. VSC based HVDC,
 - v. synchronous/non-synchronous generator voltage control including inverter based reactive power support,
 - vi. synchronous condenser,
 - vii. static VAr compensators (SVC), STATCOM and other FACTS devices,
 - viii. HVDC power order or HVDC controller selection to optimize filter bank,
 - ix. transformer tap change: generator transformer and inter-connecting transformer.

Provided that, for the purpose of tap changing, voltage of local bus shall be considered as reference voltage.

- t. The generating station shall change generator transformer taps and generate/absorb Reactive power as per the instructions of SLDC within the capability limits of the respective generating units, i.e., without sacrificing the active generation required at that time.
- u. All Users shall attempt to ensure that grid voltages always remain within the limits specified in CEA (Grid Standards) Regulations, 2010 as amended from time to time and as mentioned below:

Voltage - (kV rms)				
Nominal	Maximum	Minimum		
765	800	728		
400	420	380		
220	245	198		
132	145	122		
110	121	99		
100	110	90		
66	72	60		
33	36	30		

- v. SLDC shall carry out operational load flow studies to identify voltage problems encountered based on the operational data and identify appropriate measures to ensure that voltages remain within the defined limits. On the basis of these studies, SLDC may issue specific instructions to Users to maintain voltage level at interconnecting points within permissible limits.
- w. SLDC shall take appropriate measures to control In-STS voltages, which may include but not limited to power transformer tap changing, capacitor/reactor switching including capacitor switching by the distribution licensees at 33 kV and below substations:

Provided that generators shall inform SLDC of their reactive reserve capability promptly on request.

Provided further that the generating station shall inject/absorb the reactive energy into/from the In-STS on the basis of their Unit capability as per the directions of SLDC.

x. Generating Stations shall provide capability curves for all Generating Units to the SLDC indicating any restrictions to allow accurate system studies and effective operation of the In-STS:

- Provided that CPPs shall similarly furnish the net reactive capability that will be available for Export/Import to/from In-STS.
- y. All Distribution Licensees/Users and STU shall provide adequate voltage control as specified by Grid Code Review Panel or operational committee thereunder, to prevent voltage collapse and shall ensure its effective application to prevent voltage collapse/cascade tripping. Voltage fluctuation limits and voltage wave-form quality shall be maintained as specified by CEA. STU may carry out voltage stability studies for sensitive nodes having low voltages and lesser fault level and ensure that voltages at these nodes are much above knee point.
- z. All Distribution Licensees/Users shall provide local VAr compensation/generation to maintain the voltage within the specified limits: Provided that there shall not be any drawal of VArs from the EHV grid under Minimum-voltage condition.
- aa. Notwithstanding the above, SLDC may direct all Users to curtail its VAr drawal/injection in case the security of In-STS is endangered.
- bb. Reactive power facilities specified under this regulation sub clause (r) connected to In- STS shall be in operation at all times and shall not be taken out without the permission of SLDC.
- cc. Periodic/seasonal tap changing of inter-connecting transformers and generator transformers shall be carried out to optimize the voltages and if required other options such as tap staggering may be carried out in the network.
- dd. Generating stations connected to In-STS shall generate/absorb reactive power as per the grid requirement and instructions of SLDC, within the capability limits of the respective generating units.
- ee. Wind Generators, during the start-up, shall ensure that reactive power drawal shall not affect the grid performance:

Provided that SLDC may direct the wind generator to curtail VAr drawal/injection for the security of the grid.

6.18 Periodic Testing:

 There shall be periodic tests, as required under clause (3) of this Regulation, carried out on power system elements for ascertaining the correctness of mathematical models used for simulation studies as well as ensuring desired performance during an event in the system.

2. General provisions

- a. The owner of the power system element shall be responsible for carrying out tests as specified in these regulations and for submitting reports to STU and SLDC for intra-State elements.
- b. All equipment owners shall submit a testing plan for the next year to the SLDC by 31st July to ensure proper coordination during testing as per the schedule. In case of any change in the schedule, the owners shall inform the SLDC in advance.
- c. The tests shall be performed once every five (5) years or whenever major retrofitting is done. If any adverse performance is observed during any grid event, then the tests shall be carried out even earlier, if so advised by SLDC/RLDC.
- d. The owners of the power system elements shall implement the recommendations, if any, suggested in the test reports in consultation with SLDC and STU.

3. Testing requirements

The following tests shall be carried out on the respective power system elements:

Table 8: Tests Required for Power System Elements

Power System	Elements Tests	Applicability
Synchronous	(1) Real and Reactive Power Capability	Individual Unit of rating 100MW
Generator	assessment.	and above for Coal/lignite,
	(2) Assessment of Reactive Power Control	50MW and above for gas
	Capability as per CEA	turbine and 25 MW and above
	Technical Standards for Connectivity	for Hydro.
	(3) Model Validation and verification test for the	
	complete Generator and Excitation System	
	model including PSS.	
	(4) Model Validation and verification of	
	Turbine/Governor and Load Control or Active	
	Power/ Frequency Control Functions.	
	(5) Testing of Governor performance and	
	Automatic Generation Control.	

Non	(1) Real and Reactive Power Capability for	Applicable as per CEA	
synchronous	Generator	Technical Standards for	
Generator	(2) Power Plant Controller Function Test	Connectivity.	
(Solar/Wind)	(3) Frequency Response Test		
	4) Active Power Set Point change test.		
	(5) Reactive Power (Voltage / Power Factor / Q)		
	Set Point change test		
HVDC/FACTS	(1) Reactive Power Controller (RPC) Capability for	To Intra-State HVDC/FACTS,	
Devices	HVDC/FACTS Filter bank adequacy	as applicable	
	assessment based on present grid condition, in		
	consultation with NLDC.		
	(2) Validation of response by FACTS devices as		
	per settings.		

6.19 Capacity Building and Certification:

 Capacity building, skill upgradation, and certification of the personnel deployed in load despatch centres shall be done periodically under an institutional framework through accredited certifying agency (ies).

Training and certification of personnel engaged for operation and maintenance at load despatch centres shall be done as mandated in CEA regulations.

2. The certification shall be done by certifying agency(ies) as designated and accredited by CEA/Central Government from time to time.

Chapter -7: Scheduling and Despatch Code

7.1. General:

- a. This chapter deals with the procedure for scheduling injection and drawal of power by the intra state entities and the modalities for exchange of information, including scheduling for inter-state and regional entities transacting power through the Inter-State Transmission System through RLDC. This chapter also covers provisions with respect to control area jurisdiction.
- b. The procedure for submission of capability declaration by each Intra- State entity Generating Station and submission of requisition / drawal schedule by other Intra State entity(ies) is intended to enable SLDC to prepare the Despatch Schedule for each Generating station and drawal schedule for each Distribution Licensee.

7.2. Applicability:

This Scheduling and Despatch Code shall be applicable to

- All Seller(s)/Generator(s), captive generators, open access generators, RE generators other than WS seller connected to In-STS having installed generating capacity of 5 MW and above of Unit or Combined capacity of all units in the generating station (or such other threshold capacity specified by the Commission from time to time).
- Forecasting, scheduling and deviation settlement related matters regarding wind and solar generation shall be governed as per the provisions of "Karnataka Electricity Regulatory Commission (Forecasting, Scheduling and Deviation Settlement for Solar and Wind Generation) Regulations, 2015" and its amendments thereof.
- 3. All Buyer(s) including distribution licensee(s), deemed distribution licensee(s) located in the state and open access consumers connected to In-STS.
- 4. This Scheduling and Despatch code shall apply to all Intra State Entity(ies) i.e., Buyers and Sellers connected to or using In-STS under its control area as defined in Regulation 7.3 of these Regulations.

7.3. Control Area Jurisdiction of Load Despatch Center:

- 1. The SLDC shall be responsible for optimum scheduling and despatch of electricity, monitoring of real time grid operations and management of the reserves including energy storage systems and demand response within its State control area, supervision and control over the intra-State transmission system, processing of interface energy meter data and coordinating the accounting and the settlement of State pool account, as may be specified by the State Commission.
- 2. The entities connected exclusively to the inter-State transmission system shall be under the control area jurisdiction of RLDC for scheduling and despatch of electricity for such entities.
- 3. The entities connected exclusively to the intra-State transmission systems shall be under the control area jurisdiction of SLDC for scheduling and despatch of electricity.
- 4. Entities connected to both inter-State transmission systems and intra-State transmission systems shall be under the control area jurisdiction of RLDC, if more than or equal to 50% of the quantum of connectivity is with ISTS, and if more than 50% of the quantum of connectivity is with intra-State transmission system, it shall be under the control area jurisdiction of SLDC.
- 5. In case an entity is connected to both inter-State transmission systems and intra-

State transmission systems, the load despatch centre responsible for scheduling such entities shall coordinate with the RLDC or SLDC, as the case may be, for ensuring grid security.

6. Unless otherwise decided by the Commission, the entities that have already declared COD as on the date of coming into force of these regulations, shall continue to remain under the control area of the SLDC or the RLDC, as the case may be, as existing before the date of coming into force of these regulations:

Provided that Notwithstanding anything contained in clauses (1) to (6) of this Regulation, change in the control area jurisdiction of any entity is subject to IEGC provisions.

7.4. Roles and Responsibilities of SLDC:

- 1. In accordance with Section 33 of the Act, SLDC in the State may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in that State.
- 2. Every licensee, generating company, generating station, substation, User and any other person connected with In-STS shall comply with the directions issued by the SLDC under subsection (1) of Section 33 of the Act. The SLDC shall comply with the directions of the RLDC.
- 3. Maintain Reactive Energy Account and any other account as specified by Commission/State Government
- 4. Forecasting demand for its control area under 6.5 (2) of these regulations for each time block on day-ahead and intra-day basis;
- 5. Forecasting of generation from wind and solar generating stations under its jurisdiction for each time block on day-ahead and intra-day basis:
- 6. Declaring Total Transfer Capability and Available Transfer Capability in respect of import and export of electricity of its control area with inter-State transmission systems in coordination with the Central Transmission Utility, State Transmission Utility, and RLDC and revising the same from time to time based on grid conditions. Assessment of TTC and ATC shall be done on a continuous basis at least three (3) months in advance and revised based on contingencies from time to time.
- 7. Scheduling of electricity within the State which includes:

- i. Injection and drawal schedules for intra state entities, regional entities, in accordance with the contracts;
- ii. Incorporation of schedules for intra state entities under collective transactions;
- iii. Incorporation of schedules under the Ancillary Services Regulations.
- iv. Optimization of scheduling inter-alia through Security Constrained Economic Despatch (SCED) as and when the Commission issues the regulations/orders on SCED;
- 8. Secure operation of the grid by:
 - i. balancing demand and supply to minimize Area Control Error (ACE);
 - ii. maintaining and dispatching reserves in accordance with these regulations and Ancillary Services Regulations.
- Running a Security Constraint Unit Commitment (SCUC) for intra state entity generating stations as and when the Commission issues the regulations/orders on SCUC.
- 10. The SLDC shall coordinate the scheduling of all such generating stations in the State, which are not scheduled by RLDC under CERC Regulations as notified from time to time. The SLDC shall be responsible for such generating stations for:
 - i. Follow the Merit Order Stack for Day Ahead/Intraday scheduling process by considering the MOD principles specified in KERC (Merit Order Despatch and Optimization of Power Purchase Cost) Regulations 2024 as amended from time to time.
 - ii. Real-time monitoring of the Seller's/Buyer's injection/ drawal and deviation,
 - iii. Checking that there is no gaming in its declared capacity or forecasting,
 - iv. Revision of injection schedule,
 - v. Revision of drawal schedule
 - vi. metering and energy accounting;
 - vii. issuance of deviation (as per DSM) accounts in its control area;
 - viii. Collections / disbursements of deviation (as per DSM) payments in its area;
- ix. SLDC shall take all decisions regarding the despatch of generating stations after evaluating all the possible network parameters, constraints, congestions in the transmission network and in the eventuality of any such network condition. Instructions of SLDC relating to despatch and drawal shall be binding on all Intra State Entities.
- x. SLDC shall be responsible for time block-wise computation of deviation for Intra

- State Entities, based on the actual meter readings made available by STU/Users and the implemented schedule for the Intra State Entities and preparation of State DSM Pool Account and Karnataka State Energy Account (KSEA).
- xi. Inter-State Open Access injection/ drawal schedule or any other matter affecting regional power system or matter between two or more States, SLDC shall comply with procedures and instructions of RLDC.
- xii. The generation availability of ISGS generating stations are on ex-power plant basis. The transmission loss of regional system shall be taken into account as per RLDC procedure for working out ex-power plant generation schedule of ISGS.
- xiii. SLDC shall develop and maintain a dynamic web-based application for the purpose of day ahead and intraday scheduling, revision of schedules and display of real-time information.
- xiv. In case, the Sellers/Buyers fail to furnish declared capacity / schedule within the prescribed time limits to SLDC, the SLDC may treat declared capacity/ schedule of such Sellers/Buyers as Zero.

7.5. Roles and Responsibilities of Sellers & Buyers:

1. Sellers:

- a. Sellers shall be responsible for power generation/power injection as per the time block wise schedules finalized by SLDC in accordance with the provisions of these Regulations and DSM regulations of Central Commission as amended thereof in the absence of State Commission regulations.
- b. Captive generating stations or Unit connected to In-STS shall submit its Schedule separately for its own captive consumption and schedule for injection of energy into the grid as per the Scheduling Process detailed out in this code.
- c. Captive Consumers with in-situ Captive Generating Stations having installed capacity 1MW and above shall provide Net Schedule of their consumption to Distribution Licensee(s) to facilitate Distribution Licensees plan their demand forecast and schedule of power requirement accordingly.

2. Buyers:

a. Provisions of this scheduling and despatch code and DSM regulations of Central Commission in the absence of State Commission as amended thereof shall be applicable for all Buyer(s) including distribution licensee(s), deemed distribution licensee(s), located in the State, and full open access

- consumers connected to Intra-State transmission system.
- b. Buyers shall operate their loads in a manner consistent with the provisions of the IEGC and the provisions of these Regulations as amended from time to time.
- c. Buyer(s) or Seller(s) may request for revision of their schedule during intra-day operation in accordance with these regulations.
- d. Buyers shall enter into Connection Agreement/Open Access Agreement with the concerned transmission licensee, which shall specify physical and operational requirements for reliable operation and gain physical access and connection to the In-STS, enter into Connection Agreement/Open Access Agreement with concerned Distribution Licensee for use of distribution system, as the case may be in accordance with Central Commission and State Commission's Regulations from time to time and its amendments thereof.
- e. Buyers shall inform to SLDC, details of all contracts they have entered into for exchange of energy.
- f. While preparing the Day ahead load forecast, the Buyers shall take into consideration the load requirements of the Open Access Users located within their licence area as well. While furnishing the overall Load forecast schedule to SLDC, Buyers shall consider forecast load requirement of 'Partial Open Access Users.'
- g. Buyers including Distribution Licensees shall regularly carry out the necessary exercises regarding short-term Load estimation for their respective area, to enable them to plan in advance as to how they would meet their consumers' load without overdrawing from the grid.
- h. Buyers including Distribution licensees shall furnish details of bilateral power they have contracted on short term, medium term, and long-term basis.
- i. Buyers shall furnish the details of their bi-lateral purchases and sources of power supply to SLDC.
- j. Buyers shall forecast the generation requirement for day ahead on 15-minute time block basis considering the availability declared by the Sellers with whom they have contractual arrangement.
- k. Buyers shall submit their drawal schedule to SLDC as per the timelines specified in the this scheduling code.

- I. Buyers shall adhere to their schedule, if any deviation from it, SLDC may impose the restriction on drawal during system contingencies.
- m. Wheeling transactions of captive and open access consumers shall be dispatched subject to transmission constraints and system emergency conditions.
- n. Buyers shall submit their revised drawal schedule to SLDC, if they undertake any bilateral contracts or participate in the Power Exchange Transactions.

7.6. General Provisions:

- 1. Details of Intra State generating stations to be published by SLDC:
 - a. SLDC shall publish a list of all Intra State generating stations within State control area, which shall be updated quarterly on their website along with details such as station capacity, allocated share of beneficiaries, contracted quantum by buyers, and balance available capacity.
 - b. SLDC shall also publish details, as applicable, for intra State generating stations other than renewable generating stations, as submitted by such generating stations in accordance with Regulation 5.3 of these regulations.
 - c. The Intra state generating stations and the entities participating in Ancillary Services must be capable of receiving the load set point signals from the SLDC or RLDC or the NLDC as per CEA Technical Standards for Connectivity, or in terms of Ancillary Service Regulations, as applicable.

2. List of Drawee Intra State Entities:

SLDC shall update on a quarterly basis the list of all drawee Intra State entities within control area and post the same on SLDC websites along with the allocated or contracted quantum from all entities.

3. Entitlement of a buyer and beneficiary:

- a. In cases of allocation of power from a generating station/seller, each beneficiary shall be entitled to MW despatch out of the declared capacity of such a generating station/seller, in proportion to its share allocation.
- b. For all other cases not covered under sub-clause (a) of this Clause, the buyer shall be entitled to MW despatch out of the declared capacity of Intra state entity Generating Station as per its contracts.

c. The entitlement from the Intra state entity Generating Station shall be rounded off up to two (2) decimal points for the purposes of scheduling and accounting.

4. Adherence to Schedule:

Each Intra State Entity shall regulate its generation or demand or both, as the case may be, so as to adhere to the schedule of net injection into or net drawal from the In-STS/ISTS.

5. Area Control Error:

The State Load Despatch Centre and other drawee Intra State entities shall keep their Area Control Error close to zero (0) by rescheduling, deploying reserves and automatic demand management scheme.

6. Declaration of Declared Capacity by Intra state entity Generating Station:

a. The Intra state entity Generating Station other than the WS seller shall declare ex- bus Declared Capacity limited to 100% MCR less auxiliary power consumption, on day ahead basis as per the provisions of Regulation 7.9 of these regulations:

Provided that the hydro generating stations may declare ex-bus Declared Capacity more than 100% MCR less auxiliary power consumption limited to overload capability in terms of sub-clause (a) of clause (8) of this Regulation during high inflow periods:

Provided further that a high inflow period for this purpose shall be notified by the SLDC.

- b. Intra State entity WS Seller shall declare the available capacity on day ahead basis, as per the provisions of Regulations 7.9 of these regulations.
- c. The Intra State entity with generating stations other than WS sellers may be required to demonstrate the declared capacity of their generating stations as and when directed by the SLDC. For this purpose, SLDC in coordination with the beneficiaries, shall schedule the Intra state entity Generating Station up to its declared capacity as declared on day ahead basis.
- d. The schedule issued by the SLDC shall be binding on the beneficiaries for such

testing of the declared capacity of the Intra state entity Generating Station. In case the generating station fails to demonstrate the declared capacity, it shall be treated as a mis-declaration for which charges shall be levied on the generating station by SLDC as follows:

- e. The charges for the first mis-declaration for a block or multiple blocks in a day shall be the charges corresponding to two days' fixed charges at normative availability. For the second mis-declaration, the charges shall correspond to four days' fixed charges at normative availability, and for subsequent mis-declarations, the charges shall increase in a geometric progression over a period of a month.
- f. In the event of the Intra state entity Generating Station failing to demonstrate the declared capability, such reduction in capacity shall be informed by SLDC to the respective Distribution licensee who has PPA with such generator and the concerned Distribution licensee shall reduce the capacity charges on pro-rata basis due to the generator as a measure of penalty.

7. Ramping rate to be Declared for Scheduling:

The Intra state entity Generating Station shall declare the ramping rate along with the declaration of day-ahead declared capacity in the following manner, which shall be accounted for in the preparation of generation schedules:

- i. Coal or lignite fired plants shall declare a ramp up or ramp down rate of not less than 1% of ex-bus capacity corresponding to MCR on bar per minute;
- ii. Gas power plants shall declare a ramp up or ramp down rate of not less than3% of ex-bus capacity corresponding to MCR on bar per minute;
- iii. Hydro power plants shall declare a ramp up or ramp down rate of not less than 10% of ex-bus capacity corresponding to MCR on bar per minute;
- iv. Renewable Energy generating stations shall declare a ramp up or ramp down rate as per CEA Connectivity Standards.

8. Optimum Utilization of Hydro Energy:

a. During high inflow and water spillage conditions, for Storage type generating station and Run-of-River Generating Stations with or without Pondage, the declared capacity for the day may be up to the installed capacity plus overload capability (up to 10% or such other limit as certified by the OEM and approved by CEA) minus auxiliary consumption, corrected for the reservoir

- level. In case, the overload capability of such a station is more than 10% as approved, such a station shall declare the overload capability in advance.
- b. During high inflow and water spillage conditions, the SLDC shall allow scheduling of power from hydro generating stations for overload capability up to 10% of Installed Capacity or any other limit as per sub-clause (a) of this clause, subject to the availability of margins in the Intra State transmission system.

9. Minimum turndown level for Intra state entity thermal generating stations:

The minimum turndown level for operation in respect of a unit of a Intra State/regional entity thermal generating station shall be 55% of the MCR of the said unit or such other minimum power level as specified in the CEA (Flexible Operation of coal based Thermal Generating Units) Regulations, 2023, as amended from time to time, whichever is lower:

Provided that the Commission may fix through an order a different minimum turndown level of operation in respect of specific unit(s) of a thermal generating station:

Provided further that such generating station on its own option may declare a minimum turndown level below the minimum turndown level specified in this clause:

Provided further that the regional entity thermal generating stations whose tariffs are adopted under Section 63 of the Act shall be compensated for part load operation, that is, for generation below the normative level of operation, in terms of the provisions of the contract entered into by such generating stations with the beneficiaries or buyers, or in the absence of such provision in the contract, as per the mechanism already in force under the Central Electricity Regulatory Commission (Indian Electricity Grid Code) Regulations, 2010 shall continue in operation:

Provided further that the thermal generating stations whose tariffs are determined under Section 62 of the Act by the Commission, shall be compensated for part load operation as per the provisions of applicable Tariff Regulations.

10. Requirement for Commencement of Scheduling:

- a. The following documents shall be submitted to the SLDC by the seller or the buyer, as the case may be, before commencement of the scheduling:
 - i. Declaration by the sellers and the buyers about the existence of valid contracts for the transactions.
 - ii. Copies of the valid contracts signed by the sellers and the buyers, for transactions other than collective transactions.
- b. In case of allocation of power from the central generating stations by the Central government and State generating stations by the State Government, the SLDC shall obtain the share allocation of each beneficiary from state government through the appropriate agency/Department.
- c. The copy of contracts once submitted by sellers and buyers need not be submitted again before every scheduling request and the copy of the contract can be linked with a unique ID by SLDC for reference before scheduling request.
- d. Provided that in case of any change in terms of the contract or termination of contract, the seller as well as the buyer shall inform the same, along with a copy of the modified contract, as applicable, within a day, to the SLDC.
- e. Each Intra State Entity including Buyers and Sellers in the State shall nominate a dedicated person/cell to coordinate and communicate with SLDC for the purpose of Scheduling and Despatch. The name, designation, contact address and contact telephone numbers of such nominated person shall be informed to SLDC and all concerned.
- f. The Seller shall make an advance declaration of ex-power plant MW and MWh capabilities foreseen for the next day, i.e., from 0000 hrs to 2400 hrs. The seller while making Ex-power plant foreseen generation capability in MW & MWh is also required to take into account availability of fuel & water along with foreseen Day ahead capability.
- g. While making or revising its declaration of capability, except in case of runoff-river (with up to three-hour pondage) hydro stations, the Intra state entity Generating Station shall ensure that the declared capability during peak hours is not less than that during other hours. However, exception to this rule shall be allowed in case of tripping/re-synchronization of units as a result of forced outage of units.

h. In case of Inter-State bilateral and collective transactions having a State utility or an Intra- State Entity as a Buyer or Seller, SLDC shall accord concurrence or no objection certificate or a prior standing clearance, as the case may be, in accordance with the Central Commission and State Commission regulations notified from time to time.

11. Load generation balance during day ahead scheduling:

- a. SLDC shall follow the MOD principles as specified in KERC Regulations and as amended from time to time, for respective buyers while preparing Load Generation balance during Day Ahead Scheduling.
- b. SLDC shall prepare the separate Merit Order Stack for each Buyer considering the contracts of respective Buyer and least cost MOD principles as specified in KERC Regulations as amended from time to time.
- c. SLDC shall prepare the Load Generation balance considering the Ex-Bus generation availability of the Sellers, entitlement of ISGS and Load forecast by the Buyers, MOD principle and RE Generation forecasted as per the procedure under KERC (Forecasting, Scheduling, Deviation settlement and related matters for wind and solar Generation sources) Regulations 2015, as amended from time to time.
- d. While giving the Schedule to Generators as per MOD principles, the SLDC shall maintain the reserve margin in the Generator as specified in these Regulations for management of ramp as per the requirement of the Grid.
- e. Through secured credentials, SLDC shall publish 15-minute block wise surplus power availability or power shortage of the distribution licensee(s), if any, by 10:00 hrs.
- f. Based on the information furnished by SLDC, Distribution Licensee being a deemed trader may undertake any short-term contracts or Inter-State trade transactions or may participate in the power exchange transactions to meet its drawal shortfall or optimize its power procurement cost, as the case may be.
- g. As the Sellers have contracted their generation capacity through long term/medium term contract with Buyers, such exchange of available surplus capacity shall be effected inter- se amongst Buyers without need to amend existing PPAs with their respective Sellers.

- h. SLDC shall maintain and publish separate account of exchange of surplus power capacity if any amongst the Buyers/Distribution licensees.
- i. Buyers shall submit their revised drawal schedule to SLDC, if they undertake any bilateral contracts or participate in the Power Exchange Transactions.
- j. Based on the revised information received from the Buyers and Sellers, SLDC shall run revised Load–Generation balance for finalizing the despatch schedules for all Sellers, Wind and Solar Generators (QCAs), RE generators connected to In-STS and drawal schedule of Buyers and publish on the SLDC's website by 14:00hrs.
- k. Through secured credentials, SLDC shall also publish 15-minute block wise final availability of surplus power if any to the distribution licensee(s) by 14:30 hrs.

7.7. Unit Shut Down (USD):

- 1. The generating stations or units thereof, identified by SLDC in co-ordination with beneficiaries or Buyer, shall have the option to operate at a level below the minimum turn down level or to go under Unit Shut Down (USD).
- 2. In case a generating station, or unit thereof, opts to go under unit shut down (USD), the generating company owning such generating station or unit thereof shall fulfil its obligation to supply electricity to its beneficiaries who had made requisition from the said generating station prior to it going under USD, by arranging supply either (a) by entering into a contract(s) covered under the Power Market Regulation; or (b) by arranging supply from any other generating station or unit thereof owned by such generating company subject to honouring of rights of the original beneficiaries of the said generating station or unit thereof from which supply is arranged;
- 3. In case of emergency conditions, for reasons of grid security, a generating station or unit thereof, which is under USD may be directed by SLDC or RLDC, as the case may be to come on bar, and in such event the generating station or unit thereof shall come on bar under hot, warm and cold conditions as per the time period to be specified in these regulations.
- 4. Once a generating station is brought on bar as per clause (3) of this Regulation, it shall be compensated as per CERC part load compensation and SCUC procedures till Grid Code Review Panel finalizes the Procedure which is to be approved by KERC.

7.8. Scheduling from Alternate Source of Power by a Generating Station:

- 1. A generating station may supply power from alternate source in case of (i) USD in terms or (ii) forced outage of unit(s) or (iii) a generating station other than REGS replacing its scheduled generation by power supplied from REGS irrespective of whether such identified sources are located within or outside the premises of the generating station or at a different location.
- 2. The methodology for scheduling of power from alternate sources covered under sub clauses (i) and (ii) of clause (1) of this regulation shall be as per the following steps:
 - a. The generating station may enter into contract with alternate supplier under bilateral transaction or collective transaction.
 - b. In case of bilateral transaction, the generating station shall request SLDC or RLDC, as the case may be, to schedule power from such alternate supplier to its beneficiaries which shall become effective from 7th or 8th time blocks, as the case may be.
 - c. The power scheduled from alternate supplier shall be reduced from the schedule of the generating station.
 - d. In case of alternate supply is arranged through collective transactions, the transacted quantum shall be reduced from the scheduled generation of the generating station.
 - e. The Regional entity generating station may also request the RLDC to arrange alternate supply through SCED under IEGC.
 - f. The generating station shall not be required to pay the transmission charges and losses for such purchase of power to supply to the buyer from alternate sources.
- 3. The methodology for scheduling of power from alternate sources covered under sub clause (iii) of clause (1) of this regulation, shall be as per the following steps:
 - a. The generating station shall enter into contract with REGS for supply of power from alternate sources.
 - b. The Intra-State entity generating station shall request SLDC to schedule power from such alternate source to its beneficiaries which shall become effective from 7th or 8th time blocks, as the case may be.

- c. The Regional entity generating station shall request RLDC to schedule power from such alternate source to its beneficiaries which shall become effective from 7th or 8th time blocks, as the case may be.
- d. The power scheduled from alternate source shall be reduced from the schedule of the generating station.
- e. The generating station shall not be required to pay the transmission charges and losses for such purchase and supply from alternate sources to the buyer.
- f. In case of a generating station whose tariff is determined by the Commission under Section 62 of the Act, supply of power by such generating station to its buyer from an alternate source, in terms of sub-clauses (a) to (d) of this clause, shall be subject to sharing of net savings as specified in the KERC Tariff Regulations:
 - Provided that until a provision is made in the Tariff Regulations, sharing of net savings shall be in accordance with the detailed procedure to be prepared by Grid Code Review Panel and approved by the Commission.
- g. In case of a generating station other than whose tariff is determined by the Commission under Section 62 of the Act, supply of power by such generating station to its buyer from an alternate source in terms of sub-clauses (a) to (d) of this clause shall be in accordance with the contract with the buyer and in the absence of a specific provision in the contract, in terms of mutual consent including on sharing of net savings between the generating station and the buyer.

7.9. Procedure for Scheduling and Despatch Timelines for Intra State Transactions:

- 1. The following scheduling related activities shall be carried out daily for Intra state entity Generating Station, on day ahead basis, 'D-1' day, for supply of power on 'D' day, Declaration of Declared Capacity by generating stations as follows:
 - a. The generating station based on coal and lignite shall submit the following information for 0000 hours to 2400 hours of the 'D' day, by 6 AM on 'D-1' day:
 - Time block-wise On-bar Declared Capacity (MW) for on-bar unit wise and a Station wise;
 - ii. Time block-wise Off-bar Declared Capacity (MW) for off-bar unit wise and a Station wise;

- iii. Time block-wise Ramp up rate (MW/min) for on-bar capacity of each unit;
- iv. Time block-wise Ramp down rate (MW/min) for on-bar capacity of each unit:
- v. MWh capability for the day;
- vi. Minimum turndown level (MW) and in percentage (%) of ex-bus capacity on-bar of each unit;
- b. The generating station based on hydro energy shall submit the following information for 0000 hours to 2400 hours of the 'D' day, by 6 AM on 'D-1' day:
 - i. Time block-wise ex-bus declared capacity; MWh capability for the day;
 - ii. Ex-bus peaking capability in MW and MWh;
 - iii. Time block-wise Ramp up rate (MW/min) for on-bar capacity;
 - iv. Time block-wise Ramp down rate (MW/min) for on-bar capacity;
 - v. Unit-wise forbidden zones in MW and percentage (%) of ex-bus installed capacity;
 - vi. Minimum MW and duration corresponding to requirement of water release for irrigation, drinking water and other considerations.
 - vii. Unit wise maximum MW along with probable combination of unit maximum in case adequate water is not available.
- c. The generating station based on gas or combined cycle generating station shall submit the following for 0000 hours to 2400 hours of the 'D' day, by 6 AM on 'D-1' day:
 - i. Time block-wise On-bar Declared Capacity (DC) for the station in MW separately for each fuel such as domestic gas, RLNG or liquid fuel and On-bar units;
 - ii. Time block wise Off-bar Declared Capacity (MW) and off-bar units;MWh capability (fuel-wise) for the next day;
 - iii. Time block wise Ramp up rate (MW/min) for on-bar capacity;
 - iv. Time block wise Ramp down rate (MW/min) for on-bar capacity;
 - v. Minimum turndown level (MW) and in percentage (%) of ex-bus capacity on-bar.
- d. The renewable energy generating station i.e., wind & solar, individually or represented by a lead generator or QCA, shall submit aggregate available capacity of the pooled generation and aggregate schedule along with

- contract- wise breakup for each time block for 0000 hours to 2400 hours of the 'D' day, by 6 AM on 'D-1' day. The source wise breakup of aggregate available capacity of the pooled generation shall also be furnished.
- e. ESS including pumped storage plant, individually or represented by the lead ESS or QCA on their behalf, shall submit aggregate available capacity of the pooled generation and aggregate schedule along with contract-wise breakup for each time-block for 0000 hours to 2400 hours of the 'D' day, by 6 AM on 'D-1' day.
- f. The availability declaration by State/regional entity generating station shall have a resolution of two decimal (0.01) MW and three decimal (0.001) MWh.
- g. By 0600 hrs every day, the ISGS shall advice the RLDC, the station-wise expower plant MW and MWh availability for the next day, i.e. from 0000 hrs to 2400 hrs of the following day on 15-minute time block as per IEGC.
- h. By 0600 hrs every day, each Seller connected to In-STS, shall furnish to SLDC, its unit-wise generation availability in MW and MWh taking into consideration any outage of its generating unit for the next day, i.e., from 0000 hrs to 2400 hrs of the following day on 15-minute time block.
- i. By 0600 hrs every day, Pooling Sub-Station-wise QCAs, connected to In-STS, shall furnish to SLDC, their generation availability in MW and MWh taking into consideration any outage of its generating unit for the next day, i.e., from 0000 hrs to 2400 hrs of the following day on 15-minute time block.
- j. By 0700 hrs every day, RLDC will advise (available on RLDC website) the station-wise ex- power plant MW and MWh availability for the next day of regional entities, i.e. from 0000 hrs to 2400 hrs of the following day on 15minute time block to SLDC for the Beneficiaries in the State as per IEGC.
- k. By 0715 hrs every day, SLDC shall advice the station-wise ex-power plant MW and MWh availability of ISGS & each Seller connected to In-STS and Pooling Sub-Station wise QCAs, connected to In-STS for the next day, i.e. from 0000 hrs to 2400 hrs of the following day on 15-minute time block to Beneficiaries in the State.
- I. By 0730 hrs every day, Beneficiaries in the State shall inform their requisition of ISGS & In-SGS drawal to the SLDC in accordance with contracts.
- m. By 0800 hrs every day, SLDC shall inform the consent of the Beneficiary to RLDC for the ISGS capabilities.

n. The SLDC on behalf of the intra-State entities, as well as regional entities while furnishing time block-wise requisition under this Regulation shall subject to technical constraints, duly factor in merit order of the generating stations with which it has entered into contract(s):

Provided that the specific renewable energy generating stations namely wind/solar/mini-hydel and hybrid of wind/solar/mini-hydel shall not be subjected to merit order despatch, and subject to technical constraints shall be requisitioned first followed by requisition from other generating stations in merit order.

- o. Allocation of corridors by RLDC for GNA grantees as per IEGC.
 - i. RLDC will check if drawal schedules as requisitioned by drawee GNA grantees can be allowed based on available transmission capability: Provided that in case of constraint in transmission system, the available transmission corridor shall be allocated to the drawee GNA grantees in proportion to their GNA within the region or from outside region, depending upon the transmission constraint, whether it is within the region or from outside the region, as the case may be. The same will be intimated to SLDC/ drawee GNA grantees by 8.15 AM on 'D-1' day.
 - ii. SLDC shall revise their requisition for drawal schedule based on availability of transmission corridors for such grantee by 8.30 AM on 'D-1' day.
 - iii. RLDC will advise final drawal schedules and injection schedules for drawee and injecting GNA grantees by 9 AM on 'D-1' day.
 - iv. For the purpose of "Use of GNA by other GNA grantees" as specified in the GNA Regulations, the GNA shared with other entity shall be considered as GNA of the new entity.
- p. In case a generating station other than REGS intends to replace its schedule by power supplied from REGS, it shall intimate the quantum and source of power by which it intends to replace the power already scheduled under this Regulation by 9.15 am on 'D-1' day.

- q. SLDC shall incorporate by 9.45 am of 'D-1' day, the request from such generating station, in the injection schedule of the REGS and the said generating station, and the drawal schedule of the buyer.
- r. Requisition of schedule by STOA /T-GNA grantees:
 - i. Based on the entitlement or otherwise, intra-State entities which are STOA/T-GNA grantees, shall furnish time block-wise requisition for drawal, to the SLDC in accordance with contracts by 9.00 AM of 'D-1' day.
 - ii. Allocation of corridors by SLDC for STOA/T-GNA grantees: SLDC shall check if drawal schedules as requisitioned by STOA/T-GNA grantees can be granted based on available transmission capability after allocating corridors to the LTA /MTOA/GNA grantees.
 Provided that in case of constraint in transmission system, the available transmission corridor shall be allocated to the T-GNA grantees in
 - iii. SLDC shall issue final drawl schedules for STOA/T-GNA grantees by 9.30AM of 'D-1' day.
- s. SLDC shall release the balance corridors after finalization of schedules for LTA&MTOA/GNA and STOA/T-GNA grantees for day ahead collective transactions.
- t. The generating station whose tariff is determined under Section 62 of the Act, may sell its un-requisitioned surplus as available at 9.45 AM in the day ahead market, without the consent of beneficiary(ies). The sharing of net savings shall be as per provisions of Tariff Regulations and until a provision is made in the Tariff Regulations, in accordance with the detailed procedure to be prepared by SLDC and approved by the Commission.
- u. Scheduling of collective transactions:

proportion to their T-GNA.

- i. Power Exchange(s) will open bidding window for day ahead collective transactions and TRAS from 10.00 AM to 11AM of 'D-1' day.
- ii. The power exchange will submit the day-ahead provisional trade schedules along with net power interchange of each bid area and region to NLDC by 11.45 AM of 'D-1' day.

- iii. NLDC will validate the same from system security angle and inform the power exchange with revisions required, if any, due to transmission congestion or any other system constraint by 12.15 PM of 'D-1' day.
- iv. The power exchange shall submit the final trade schedules to NLDC for regional entities and to SLDC for intra-State entities by 1.00 PM of 'D-1' day.
- v. RLDC shall release balance corridors after finalization of schedules under day ahead collective transactions by 1.00 PM of 'D-1' day.
- w. RLDC shall process exigency applications received till 1 PM of 'D-1' day for the 'D' day by 2 PM of 'D-1' day.
- x. SLDC shall update the availability of balance transmission corridors, if any, after finalization of schedules for day ahead applications by 2.00 PM of 'D-1' day on its website. The balance transmission corridor may be utilized by LTA&MTOA/GNA grantees by way of revision of schedule, under any contract within its LTA&MTOA/GNA or for day ahead applications or in real time market on first cum first serve basis.
- y. Procedure for scheduling of transaction in Real-time market (RTM):
 - i. All the entities participating in the real-time market including TRAS may place their bids and offers on the Power Exchange(s) for purchase and sale of power.
 - ii. The window for trade in real-time market for day (D) shall open from 22.45 hrs to 23.00 hrs of (D-1) for the delivery of power for the first two time- blocks of 1st hour of day (D) i.e., 00.00 hrs to 00.30 hrs, and will be repeated every half an hour thereafter.
 - iii. NLDC will indicate to the Power Exchange(s) the available margin on each of the transmission corridors before the gate closure.
 - iv. The power exchanges shall clear the real-time bids from 23.00 hrs till 23.15 hrs of 'D-1' day based on the available transmission corridor and the buy and sell bids for the real time market (RTM) for the specified duration and intimate the cleared bids to NLDC by 23.15 hrs, for scheduling.

- z. NLDC will finalize schedules under RTM, SCED and Ancillary Services by 23.30 hrs. of 'D-1'day and RLDC shall publish the final schedules for dispatch by 23.35 hrs. of 'D-1'day.
- aa. TRAS shall be procured in accordance with Ancillary Services Regulations along with bidding for collective transactions, RTM or any other mechanism as per these regulations or Ancillary Services Regulations.

2. Issuance of day-ahead schedule:

SLDC will convey the following for the next day to all intra state entities including the information received from RLDC for the GNA grantees and T-GNA grantees:

- i. The ex-power plant schedule to each of the regional entity generating station, in MW for different time blocks along with breakup of schedule for each beneficiary or buyer.
- ii. The "net drawal schedule" for each intra state entity in MW for each time block, along with break-up of (a) schedule from each of the sellers, (b) schedule of injection to ISTS and (c) injection or drawal schedule under collective transaction
- iii. All requisitions and schedules shall be rounded off to the nearest two decimals at each control area boundary for each of the transaction and shall have a resolution of 0.01 MW.

3. Issue of schedules by SLDC:

- i. SLDC shall take into account the schedule released by the RLDC for their intra-State entities and finalize the intra-State schedule.
- ii. Power Exchange(s) shall furnish the detailed break up of each point of injection and each point of drawal within each State to respective SLDCs after receipt of acceptance from NLDC. Power Exchange(s) shall ensure necessary coordination with SLDCs for scheduling of the transactions.

4. Margins for Primary Response:

For the purpose of ensuring primary response, SLDC and Beneficiaries, as the case may be, shall not schedule the generating station or unit(s) thereof beyond ex-bus generation corresponding to 100% of the Installed capacity of the generating station or unit(s) thereof. The generating station shall not resort to Valve Wide Open

(VWO) operation of units, whether running on full load or part load, and shall ensure that there is margin available for providing governor action as primary response.

In case of gas or liquid fuel-based units, suitable adjustment in Installed Capacity shall be made by SLDC for scheduling in due consideration of the prevailing ambient conditions of temperature and pressure vis à-vis site ambient conditions on which installed capacity of the generating station or unit(s) thereof have been specified:

Provided that the hydro generating stations shall be permitted to schedule ex-bus generation corresponding to 110% of the installed capacity or any other overload capability during high inflow periods to avoid spillage:

5. Power to revise schedules:

a. Curtailment of scheduled transactions for grid security:

When for the reason of transmission constraints or in the interest of grid security, it becomes inevitable to curtail power flow on a transmission corridor, the transactions already scheduled may be curtailed with immediate effect by the SLDC/RLDC (keeping in view the transaction which is likely to relieve the threat to grid security) as follows:

- I. Transactions under STOA/ T-GNA shall be curtailed first followed by transactions under LTA&MTOA / GNA.
- II. Transactions under STOA/T-GNA shall be curtailed in the following order:
 - Within transactions under STOA/T-GNA, bilateral transactions shall be curtailed first followed by collective transactions under day ahead market followed by collective transactions under real time market;
 - ii. Within bilateral transactions under STOA/ T-GNA, curtailment shall be done first from generation sources other than wind, solar, wind-solar hybrid and run of the river hydro plants with up to three hours pondage (in case of excess water leading to spillage), pro rata based on their STOA/T-GNA quantum;
 - iii. The generation from wind, solar, wind-solar hybrid and run of the river hydro plants with up to three hours pondage (in case of excess water leading to spillage) shall be curtailed pro rata based on STOA/T-GNA, after curtailment of generation from other sources, within STOA/T-GNA.

- iv. Collective transactions under day ahead market shall be curtailed after curtailment of bilateral transactions under STOA/T-GNA.
- v. Collective transactions under real time market shall be curtailed after curtailment of collective transactions under day ahead market.
- III. Transactions under LTA&MTOA/ GNA shall be curtailed in the following order:
 - i. Within transactions under LTA&MTOA / GNA, curtailment shall be done first from generation sources other than wind, solar, wind-solar hybrid and run of the river hydro plants with up to three hours pondage (in case of excess water leading to spillage), on pro rata basis based on their LTA&MTOA / GNA quantum.
 - ii. The generation from wind, solar, wind-solar hybrid and run of the river hydro plants with up to three hours pondage (in case of excess water leading to spillage) shall be curtailed pro rata based on their LTA&MTOA / GNA quantum, after curtailment of generation from other sources, within LTA&MTOA / GNA.
- IV.RLDC or SLDC, as the case may be, shall publish a report of such incidents on its website.
- b. SLDC shall publish, from time to time on its website, the operational limits of parameters for maintenance of grid security for the information and compliance of users of the grid. The curtailment of schedule shall be carried out only in case of violation of the operational limits.
- c. In the event of bottleneck in evacuation of power due to outage, failure or limitation in the transmission system or any other constraint necessitating reduction in generation, the SLDC shall revise the schedules:
 Provided that generation and drawal schedules revised by the Regional Load Despatch Centre shall become effective from 7th block or 8th block depending on time block in which schedule has been revised as first time block.
- d. In case of contingencies such as critical loading of lines, transformers, abnormal voltages or threat to system security, the following steps as considered necessary, may be taken by SLDC:

- i. Issue directions to concerned entities to adhere to the schedules;
- ii. Deployment of ancillary services;
- iii. Switching on/off pump storage plants operating in pumping mode;
- iv. Dispatching emergency demand response measures;
- v. Direct the intra state entities to increase or decrease their drawal or injection by revising their schedules and such directions shall be immediately acted upon.
- e. Whenever SLDC revises final schedules due to reasons of grid security or contingency, brief reasons shall be informed immediately to the concerned entity followed by a detailed explanation to be posted on SLDC website within 24 hours.
- f. Any verbal directions by SLDC shall be confirmed in writing as soon as possible latest within twenty-four hours.

6. Revision of schedules on request of buyers:

- a. SLDC on behalf of intra-state entities, regional entity ESSs as drawee entities, beneficiaries, regional entity buyers may revise their schedules under LTA&MTOA/ GNA as per sub-clauses (b) and (c) of this clause in accordance with their respective contracts: Provided that scheduled transactions under STOA/T-GNA once scheduled cannot be revised other than in case of forced outage as per clause (8) of this Regulation.
- b. The request for revision of scheduled transaction for 'D' day, shall be allowed subject to the following:
 - i. Request of buyers for upward revision of schedule from the generating station whose tariff is determined under Section 62 of the Act shall be allowed starting 2 PM on 'D-1' day, only in respect of the remaining available quantum of un-requisitioned surplus in such generating stations, after finalization of schedules under day ahead market. "Provided that downward revision of schedules by the buyers for 'D' day, after 1430 hrs on 'D-1' day in the generating station shall not be allowed below their respective share of minimum turndown level in the generating station."
 - ii. Request of buyers for upward or downward revision of schedule in respect of the generating stations other than those whose tariff is determined under Section 62 of the Act, shall be allowed in terms of

provisions of the respective contracts between the generating stations and beneficiaries or buyers.

- c. Based on the request for revision in schedule made as per sub-clauses (a) and (b) of this clause, any revision in schedule made in odd time blocks shall become effective from 7th time block and any revision in schedule made in even time blocks shall become effective from 8th time block, counting the time block in which the request for revision has been received by the SLDC to be the first one.
- d. While finalizing the drawal and despatch schedules, in case any congestion is foreseen in the intra-State transmission system or technical constraints of a generating station, the SLDC shall moderate the schedules as required, under intimation to the concerned intra state entities.

7. Grid Disturbance of category GD-5:

- a. GD-5 occurs when forty per cent or more of the antecedent generation or load in a regional grid is lost as defined in the CEA Grid Standards.
- b. Certification of such grid disturbance and its duration will be done by the RLDC.
- c. Scheduled generation of all the affected intra state entity generating stations supplying power under bilateral transactions shall be deemed to have been revised to be equal to their actual generation for all the time blocks affected by the grid disturbance. Such intra state entity generating station shall pay back the energy charges received by it for the scheduled generation revised as actual generation to the Deviation and Ancillary Service Pool Account:

Provided that, in case the beneficiaries or buyers of such Intra state generating station are also affected by such grid disturbance, the scheduled drawal of such beneficiaries or buyers shall be deemed to have been revised to corresponding actual generation schedule of intra state entity generating stations:

Provided further that in case the beneficiaries or buyers of such intra state entity generating station are not affected by such grid disturbance and they

- continue to draw power, the scheduled drawal of such beneficiaries or buyers shall not be revised.
- d. The scheduled generation of all the affected intra state entity generating stations supplying power under collective transactions shall be deemed to have been revised to be equal to their actual generation. Such intra state entity generating stations shall refund the charges received towards such scheduled energy to the Deviation and Ancillary Service Pool Account.
- e. The declaration of grid disturbance will be done by the concerned RLDC at the earliest. A notice to this effect shall be posted at its website by the SLDC/RLDC of the State/region in which the grid disturbance has occurred which shall be considered as declaration of the grid disturbance by RLDC. All intra state entities shall take note of the grid disturbance and take appropriate action at their end.
- f. Energy and deviation settlement for the period of such grid disturbance causing disruption in injection or drawal of power shall be done by the SLDC: Provided that generation and drawal schedules revised by the State Load Despatch Centre shall become effective from 7th block or 8thblock depending on block in which schedule has been revised as first block.
- 8. The generation schedules and drawal schedules shall be accessible to the Intra State entities through user credentials controlled access. After the operating day is over at 2400 hours, the schedule finally implemented during the day (taking into account all before-the-fact changes in despatch schedule of Intra-State entity generating stations and drawal schedule of the beneficiaries) shall be issued by the SLDC. These schedules shall be the basis for commercial accounting.
- 9. Revision of Declared Capacity and schedule of a generating station or ESS (as an injecting entity) shall be allowed only in case of bilateral transactions and not in case of collective transaction as per following details: (a)The generating station (other than lignite, gas based thermal generating station, and hydro generating station) or ESS (as an injecting entity), shall be allowed a maximum of 4 (four) revisions of Declared Capacity and schedule in a day subject to a maximum of 60 (sixty) revisions during a month, due to reasons such as a partial outage of the unit or variation of fuel quality or any other technical reason to be

recorded in writing. (b) The generating station based on lignite, gas or hydro generating station shall be allowed 6(six) revisions of Declared Capacity and schedule in a day subject to a maximum of 120 (One hundred twenty) revisions during a month, due to reasons such as partial outage of the unit or water availability for hydro generating stations or fuel quality or variations in supply of gas for gas generating stations or any other technical reason to be recorded in writing."

Provided that no of revision of declared capacity and schedule allowed in line with IEGC:

- 10. In case of Solar or Wind generating stations connected through In-STS, the QCA may revise schedule of Pooling Substation (excluding collective and inter-State bilateral transactions) by giving advance notice to SLDC. For revision of schedule by wind and solar generation the provisions of KERC (Forecasting, Scheduling, Deviation settlement and related matters for wind and solar Generation sources) Regulations 2015, as amended from time to time and the procedure framed therein shall be applicable. Such revision shall be effective from forth (4th) time block following the time block in which notice was given. There may be one (01) revision for each time slot of one and half hours starting from 0000 hrs of a particular day, subject to a maximum of sixteen (16) revisions during the day.
- 11. In case of requirement of revision of Declared Capacity due to forecasting error, a RoR generating station may request for revision of its Declared Capacity and schedule only in case of bilateral transactions and not in case of collective transaction. Such revision shall become effective from the time block and in the manner as specified in sub-clause (c) of clause (6) of this Regulation.
- 12. In the event of forced outage of a generating station or unit thereof, the generating company owning the generating station or unit thereof shall fulfil its supply obligation to the beneficiaries which made requisition from such generating station or unit thereof, (i) by entering into contract(s) covered under Power Market Regulations or (ii) by arranging supply from any other generating station or unit thereof owned by such generating company subject to honouring of rights of the original beneficiaries of the said generating station or unit thereof from which the supply is arranged, as applicable.

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13. Discrepancy in schedule:

All Intra State Entities, open access customers, injecting entities and drawee consumers shall closely check their transaction Schedule and point out errors, if any, to the SLDC.

The final schedules issued by SLDC shall be open to all Intra State entities and other Inter- State open access entities for any checking and verification, for a period of 5 days. In case any mistake or omission is detected, the SLDC shall make a complete check and rectify the same.

14. Energy Metering and Accounting:

- a. The STU shall be responsible for procurement and installation of Interface Energy Meters (IEMs), at the cost of respective entity, at all the In-STS interface points, points of connections between the Intra State entities and other identified points for recording of actual active and reactive energy interchanged in each time-block through those points, and its operation and periodic calibration shall be done by the respective entity. STU shall be responsible for replacement of faulty meters.
- b. The installation, operation, calibration and maintenance of Interface Energy Meters (IEMs) with automatic remote meter reading (AMR) facility shall be in accordance with the CEA Metering Regulations 2006.
- c. The installation, operation, and maintenance of additional communication links, if any, required for the purpose of AMR facility shall be in accordance with CEA Communications Regulations.
- d. Access to such metering data to the SLDC shall be in accordance with the CEA Metering Regulations 2006
- e. Entities in whose premises the IEMs are installed shall be responsible for (i) monitoring the healthiness of the CT and PT inputs to the meters, (ii) taking weekly meter readings for the seven day period ending on the preceding Sunday 2400 hrs and transmitting them to the SLDC by Tuesday noon, in case such readings have not been transmitted through automatic remote meter reading (AMR) facility (iii) monitoring and ensuring that the time drift of IEM is within the limits as specified in CEA Metering Regulations 2006 and (iv) promptly intimating the changes in CT and PT ratio to SLDC.

- f. SLDC shall, based on the IEM readings, compute time block wise actual net injection and drawal of intrastate entities/QCA within their control area: Provided that the computations done by SLDC shall be open to all intrastate entities/QCA for a period of fifteen (15) days for checking and verification.
- g. In case any error or omission is detected by self-analysis or brought to notice by an entity, SLDC, as the case may be, shall make a complete check and rectify the error within a period of a month from date of such detection.
- h. SLDC shall prepare state energy account in accordance with these regulations.
- i. STU shall make necessary arrangements for installation of suitable meters, capable of recording energy flows at 15-minute intervals or any other time interval as specified by the Commission, at the points of injection and drawal. The time synchronization of metering system shall be through Global Positioning System with counter check from the State Energy Accounting Centre at SLDC.
- j. STU shall register all the interface points and interface meters in the MDAS software and share the meter data with SLDC registry for DSM computation. No change in the interface metering infrastructure shall be carried out by STU without prior approval of the SLDC and suitable modifications in the records of the registry in the MDAS software.

15. Inspection of records:

The operational logs and records of the Intra state entity Generating Station and intra-State transmission licensees shall be available for inspection and review by the ALDCs and SLDC.

16. Oversight of injection and drawal:

SLDC shall periodically review the over drawal from or under injection into the grid. In case of persistent over drawal or under injection, the matter shall be reported to the Commission for necessary action.

17. Scheduling of Intra-State Hydro Generating Stations:

a. While declaring the availability, Intra-State Hydro Generating Stations shall inform, month- wise water availability and all other parameters such as reservoir level, overall water quota available for generation along with unit

- availability to Distribution Licensee with whom it has PPA and also to SLDC, for the next month before 21st day of the current month.
- b. Concerned Distribution Licensee shall inform day-wise generation from hydro generating stations considering water availability to SLDC for the next month before 25th day of the current month.
- c. SLDC shall be responsible for operating Intra state entity Generating Hydro Station on a daily basis considering the month-wise water availability and schedule provided by contracted Distribution Licensee of the respective Hydro Stations to SLDC.
- d. In order to meet system contingencies, SLDC may keep hydro capacity equivalent to the capacity of largest thermal Unit as a reserve capacity requirement.
- e. For operation of Pumped storage hydro power plants (PSHPP), concerned distribution licensee shall indicate the daily schedule of PSHPP for the week. SLDC shall operate the PSHPP as per the daily schedule indicated by concerned distribution licensee considering the grid conditions such as frequency, voltage, reactive power requirement etc., and availability of offpeak energy.
- f. The Intra-State hydroelectric generating stations are expected to respond to grid frequency changes and inflow fluctuations. They would, therefore, be free to deviate from the given schedule as long as they do not cause a grid constraint. While computing the deviation of intra-state hydro generating stations, the schedule of hydro generating stations shall be replaced with actual generation.
- g. Notwithstanding anything contained in clause (a) to (f) of this Regulation, SLDC may have the complete control over the hydro generating unit/stations to maintain the DSM, ACE, Network stability and Reservoir level.

18. Implementation of Regulation of Access/Contracts:

SLDC shall implement the regulation of Access/Contracts in line with LPS Rules 2022 along with its Amendments. The regulation of access/contracts advised by RLDC on intra state entities /buyers/sellers if any shall be implemented by SLDC.

Chapter – 8: Protection Code

8.1. General:

- 1. This code covers the protection protocol, protection settings, protection system management and protection audit plan of electrical systems.
- 2. There shall be a uniform protection protocol for the users of the grid:
 - a. for proper co-ordination of protection system in order to protect the equipment/system from abnormal operating conditions, isolate the faulty equipment and avoid unintended operation of protection system;
 - b. to have a repository of protection system, settings and events at regional level;
 - c. specifying timelines for submission of data;
 - d. to ensure healthiness of recording equipment including triggering criteria and time synchronization; and
 - e. to provide for periodic audit of protection system.

8.2. Protection Protocol:

- 1. All users connected to the integrated grid shall provide and maintain effective protection system having reliability, selectivity, speed and sensitivity to isolate faulty section and protect element(s) as per the CEA Technical Standards for Construction, the CEA Technical Standards for Connectivity, the CEA (Grid Standards) Regulations, 2010, the CEA Technical Standards for Communication and any other applicable CEA Standards specified from time to time.
 - a. Back-up protection system shall be provided to protect an element in the event of failure of the primary protection system.
 - b. RPC will develop the protection protocol and revise the same, after review from time to time, in consultation with the stakeholders in the region, and in doing so shall be guided by the principle that minimum electrical protection functions for equipment connected with the grid shall be provided as per the CEA Technical Standards for Construction, the CEA Technical Standards for Connectivity, the CEA Technical Standards for Communication, the CEA (Grid Standards) Regulations, 2010, the CEA (Measures relating to Safety and Electric Supply) Regulations, 2023, and any other CEA standards specified from time to time.
 - c. The protection protocol in a particular system may vary depending upon operational experience. Changes in protection protocol, as and when required, shall be carried out after deliberation and approval of the RPC.

- d. In line with the protection protocol of RPC, STU shall prepare the Protection Manual within 90 days from the notification of these Regulations in consultation with the PCCC & stakeholders covering all the protection aspects of the grid elements connected to 400/220/132kV/110/66kV and below voltage level which shall be followed by all users.
- e. Violation of the protection protocol and protection manual of the State shall be brought to the notice of PCCC by the SLDC.
- 2. STU shall ensure that the provisions of the Protection Manual shall be consistent with the following as amended from time to time:
 - a. Protection Philosophy;
 - b. CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007 as amended from time to time;
 - c. CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) 2022 as amended from time to time;
 - d. CEA (Grid Standards) Regulations, 2010 as amended from time to time;
 - e. CEA (Technical Standards for Communication system in Power System Operation) Regulation 2020
 - f. Protection protocol adopted by RLDC/RPC; and
 - g. System Requirement and past field experience of STU.
- The Protection Manual prepared by the STU shall contain provisions for the following: Role and responsibility of STU/SLDC and Users;
 - a. Protection System for Generators;
 - b. Protection System for Transmission Lines including HVDC;
 - c. Protection System for substations and Transmission to Distribution interface;
 - d. Compliance monitoring of the protection code by the Users;
 - e. Calibration and testing of the equipment and Relays used in the protection system;
 - f. Type of communication required for protection system;
 - g. Protection Audit; and
 - h. Any other provisions that STU deem fit as required for the system.

8.3. Protection Settings:

 STU shall be the nodal agency to ensure implementation of protection schemes in accordance with the provisions of the Regulations specified by the Authority and in co-ordination with RPC.

- 2. Electrical equipment or part of electrical equipment shall be allowed to remain connected to the In-STS only if it shall be provided by minimum specified protection aimed at reliability, selectivity, speed, stability, and sensitivity.
- 3. All Users shall co-operate with STU to ensure correct and appropriate settings of the protection system to achieve effective, discriminatory removal of faulty equipment within the time for target clearance specified in these Regulations as amended from time to time.
- 4. Protection system settings shall not be altered, or protection relays bypassed and/or disconnected without consultation and agreement between all affected Users and Nodal agency. In case where protection is bypassed and/or disconnected by an agreement, the cause shall be rectified, and the protection is restored to normal condition as quickly as possible. If agreement has not been reached, the electrical equipment shall be removed from service forthwith.
- 5. The Protection and Communication Coordination Committee shall decide the date from which the existing protection system provided by STU and/or User is required to be changed, if it is not meeting the minimum requirement as stipulated in this code.
- 6. User shall update the protection system, if STU confirms that the protection system of User does not comply with the minimum requirement as stipulated in this code.
- 7. Fault Clearance Time: From stability considerations, the maximum Fault Clearance Time for faults on any user's system directly connected to the Transmission System, or any faults on the Transmission System itself, shall be as specified in the CEA (Grid Standards) Regulations, 2010, amended from time to time as shown in Table-X:

TABLE-X

Voltage Class	Target clearance time	
400kV	100 milli seconds	
220kV	160 milli seconds	
110/66Kv	350 milliseconds	

8. STU shall undertake review of the protection settings, assess the requirement of revisions in protection settings and revise protection settings in consultation with the stakeholders of In-STS, from time to time and at least once in a year. The necessary studies in this regard shall be carried out by the STU. The data including base case (peak and off-peak cases) files for carrying out studies shall be provided by SLDC:

- 9. All users connected to the grid shall:
 - a. furnish the protection settings implemented for each element to STU in a format as prescribed by the STU in line with RPC;
 - b. obtain approval of the RPC for (i) any revision in settings, and (ii) implementation of new protection system;
 - STU shall intimate to the RPC about the changes implemented in protection system or protection settings within a fortnight of such changes;
 - d. ensure correct and appropriate settings of protection as prescribed by the RPC.
 - e. ensure proper coordinated protection settings.

10. STU shall:

- a. maintain a centralized database and update the same on periodic basis containing details of relay settings for grid elements connected to voltage level may be 400/220/132/110/66kV. SLDC shall also maintain such database.
- b. carry out detailed system studies, once a year, for protection settings and advise modifications / changes, if any, to the Transmission licensee (s) and to all users and In-STS of the State. The data required to carry out such studies shall be provided by SLDC and RLDC.
- c. provide the database access to RPC and RLDC and to all users, SLDC, and In- STS of the State. The database shall have different access rights for different users.
- 11. The changes in the network and protection settings of grid elements connected to 220kV and above shall be informed to RPC by STU.

8.4. Protection Audit Plan:

 All users shall conduct internal audit of their protection systems, and any shortcomings identified shall be rectified and informed to STU. The audit report along with action plan for rectification of deficiencies detected, if any, shall be shared with STU for users connected at Voltage level of 400/220/132/110/66 kV or as agreed with STU.

- 2. Periodicity for the Internal Protection Audit for the Users connected to Grid at 400/220kV Voltage class shall be once in a year and for 132/110/66kV voltage class shall be once in Five (5) Years.
- 3. All users shall also conduct third party protection audit of each sub-station at Voltage of 400kV and 220kV or any other voltage level once in five (5) years or earlier as advised by RPC/STU/SLDC.
- 4. After analysis of any event, STU shall identify a list of substations / and generating stations where third-party protection audit is required to be carried out and accordingly advise the respective users to complete third party audit within three months.
- 5. The third-party protection audit report shall contain information sought in the format as specified in IEGC. The protection audit reports, along with action plan for rectification of deficiencies detected, if any, shall be submitted to the STU, within a month of submission of third party audit report. The necessary compliance to such protection audit report shall be followed up regularly in the PCCC.
- 6. Annual audit plan for the next financial year shall be submitted by the users to STU by 31st July. The users shall adhere to the annual audit plan and report compliance of the same to STU. STU would furnish the Audit Plan to SRPC by 31st October after discussing in State PCCC.
- 7. Users shall submit the following protection performance indices of previous month to STU and SLDC on monthly basis for Voltage level of 400kV and 220kV or any other voltage level prescribed by SLDC/STU, which shall be reviewed by the STU/SLDC/RPC:
 - a. The Dependability Index defined as D = Nc Nc+Nf

where,

Nc is the number of correct operations at internal power system faults and Nf is the number of failures to operate at internal power system faults.

b. The Security Index defined as $S = \frac{Nc}{Nc + Nu}$

Where,

Nc is the number of correct operations at internal power system faults Nu is the number of unwanted operations.

c. The Reliability Index defined as R = Nc Nc+Ni

Where,

Nc is the number of correct operations at internal power system faults Ni is the number of incorrect operations and is the sum of Nf and Nu.

- 8. Each user shall also submit the reasons for performance indices less than unity of individual element wise protection system to the STU and action plan for corrective measures. Above 220kV indices would also be furnished to RPC. The action plan will be followed up regularly in the State PCCC/ RPC PCSC.
- 9. In case any user fails to comply with the protection protocol specified by the STU/RPC or fails to undertake remedial action identified by the STU/RPC within the specified timelines, the STU/RPC may approach the Commission with all relevant details for suitable directions.

8.5. System Protection Scheme (SPS):

- SPS for identified system shall have redundancies in measurement of input signals and communication paths involved up to the last mile to ensure security and dependability.
- 2. For the operational SPS, SLDC, RLDC or NLDC, as the case may be, in consultation with the RPC(s) shall perform regular load flow and dynamic studies and mock testing for reviewing SPS parameters & functions, at least once in a year. S L D C o r RLDC shall share the report of such studies and mock testing including any short comings to RPC(s). The data for such studies shall be provided by STU to the RPC, SLDC and RLDC.
- 3. The users and SLDC shall report about the operation of SPS immediately and detailed report shall be submitted within three days of operation to the RPC and RLDC in the format specified by the RPC.
- 4. The performance of SPS shall be assessed as per the protection performance indices specified in these Regulations. In case, the SPS fails to operate, the concerned User shall
- 5. take corrective actions and submit a detailed report on the corrective actions taken to the RPC within a fortnight.

8.6. Recording Instruments:

- 1. All users shall keep the recording instruments (disturbance recorder and event logger) in proper working condition.
- The disturbance recorders shall have time synchronization and a standard format for recording analogue and digital signals which shall be included in the guidelines issued by the RPC.
- 3. The time synchronization of the disturbance recorders shall be corroborated with the PMU data or SCADA event loggers by the RLDC. Disturbance recorders which are non-compliant shall be listed out for discussion at RPC.

8.7. Revision in the Protection Manual and Best Practices Guidebook:

- Transmission Licensees shall share the best practices of protection system development, operation and safety provisions among the other stakeholders.
 PCCC shall coordinate and formulate a forum of technical experts from industry and academia for continuous improvement in the knowledge of protection system, preventive measures, monitoring and reporting of best practices.
- 2. The events of protection system/switchgear/relay/device failure as well as the events leading to successful operation of the protection system/switchgear/relay/device shall be recorded and deliberated during PCCC meetings.
- 3. Review of the Protection Manual for upgradation/modification shall be undertaken at least once in a year. Such review would cover the important developments/events at national/regional level, need for periodic review due to upgradation of technical standards for switchgear/devices, technological innovations, use of IT tools/practices, training, and capacity building requirements. Based on the review, the PCCC shall recommend suitable modifications/amendments to Protection Manual which shall be duly incorporated in time bound manner upon following due stakeholder consultation process.

8.8. Establishing Protection Application Department:

- 1. STU, transmission licensee(s) and all Users shall have a Protection Application Department with adequate manpower and skill set.
- 2. The protection system skill set is gained with experience, resolving various practical problems, case studies, close interaction with the relay manufacturers and field engineers.

3. Therefore, it is proposed that such people should be nurtured to have a long standing career growth in the Protection Application Department.

8.9. Protection System Management:

In addition to technical issues related to protection, the management issues related to protection system need to be addressed. In order to comprehensively address the protection issues in the STU, transmission licensee (s) and all Users, following are the recommendations.

8.9.1 Relay Setting Calculations:

- 1. The protection application department should do periodic relay setting calculations as and when necessitated by system configuration changes. A relay setting approval system should be in place.
- 2. Relay setting calculations also need to be revisited whenever the minor configuration or loading, changes in the system due to operational constraints. Feedback from the field/substations on the performance of the relay settings should be collected and settings should be reviewed and corrected if required.
- 3. Creating and maintaining data base of relay settings: Data regarding settings of relays in their network should be compiled by the CTU and STU and furnished to the RLDC and SLDC respectively and a copy should also be submitted to RPC for maintaining the data base.

8.10. Co-Ordination with System Study Group, System Planning Group and Other Stakeholders:

- STU, transmission licensee (s) and all Users shall develop a strong system study group with adequate manpower and skill-set that can carry out various system studies required for arriving at system related settings in protection system in addition to others' studies.
- 2. The Protection Application Department should closely work in coordination with the STU, transmission licensee (s) and all Users' system study group, system planning group, the system operation group.
- 3. Wherever applicable, it should also co-ordinate and work with STU, transmission licensee (s) and all Users to arrive at the proper relay setting calculations for the system as a whole. The interface point relay setting calculations at CTU-STU, STU-

Distribution Licensee/s control area, STU-GEN Companies, CTU-GEN Companies and also generator backup relay setting calculations related to system performance should be periodically reviewed and joint concurrence should be arrived.

4. The approved relay settings should be properly documented. Any un-resolved issues among the stakeholders should be taken up with the PCCC and resolved.

8.10.1 Simulation testing for checking Dependability and Security of Protection System for Critical lines and series compensated Lines:

The protection system for critical lines, all series compensated lines along with interconnected lines should be simulated for intended operation under normal and abnormal system conditions and tested for the dependability and security of Protection system. The RTDS facilities available in the country like at CPRI, POWERGRID and other places should be made use of by the STU, transmission licensee(s) and all Users of the Grid for this purpose.

The network model should be periodically updated with the system parameters, as and when network changes are incorporated.

8.10.2 Adoption of Relay Setting and Functional verification of Setting at site:

- 1. The Protection Application Department shall ensure through field testing group that the final relay settings are exactly adopted in the relays at field.
- 2. There should be clear template for the setting adoption duly authorized and approved by the field testing in-charge.
- 3. No relay setting in the field shall be changed without proper documentation and approval by the Protection Application Department.
- 4. The Protection Application Department shall periodically verify the implemented setting at site through an audit process.
- Protection application department should also maintain a log of all protection operations. This record will be assets' record and assist in future upgradation of protection system.

8.10.3 Storage and Management of Relay settings:

With the application of numerical relays, increased system size and volume of relay setting, associated data to be handled is enormous. It is recommended that utilities

shall evolve proper storage and management mechanism (version control) for relay settings.

Along with the relay setting data, IED configuration file should also be stored and managed.

8.10.4 Root Cause Analysis of Major Protection Tripping (Multiple Element Outages) along with corrective & Improvement Measures:

- 1. The routine tripping of transmission lines, transformers and generating units are generally analyzed by the field protection personnel. For every tripping, a trip report along with an associated DR and event logger file shall be generated. However, for major tripping in the system, it is recommended that the protection application department shall perform the root cause analysis of the event.
- 2. The root cause analysis shall address the cause of a fault, any mal-operation or non-operation of relays, protection scheme etc.
- 3. The root cause analysis shall identify corrective and improvement measures required in the relay setting, protection scheme or any other changes to ensure system security, reliability and dependability of the protection system.
- 4. The Protection Application Department shall keep proper records of corrective and improvement actions taken.

8.10.5 Regular Training and Certification:

- 1. The members of the Protection Application Department shall undergo regular training to enhance & update their skill sets.
- The training modules shall consist of system studies, relaying applications, testing
 commissioning of relays and Certification of protection system is strongly
 recommended.

8.11. Metering:

- Meters shall be provided as specified in the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time and the standards prescribed thereunder.
- 2. All interface meters, consumer meters and energy accounting meters shall comply with the relevant standards of Bureau of Indian Standards (BIS). If BIS Standards are

- not available for a particular equipment or material, International Electro-Technical Commission (IEC) Standards, CBIP Technical Report or any other equivalent Standards shall be followed.
- 3. Whenever an international Standard or IEC Standard is followed, necessary corrections or modifications shall be made for nominal system frequency, nominal system voltage, ambient temperature, humidity, and other conditions prevailing in India before actual Adoption of the said Standard.
- 4. The installation, operation, calibration and maintenance of Interface Energy Meters (IEMs) with automatic remote meter reading (AMR) facility shall also fulfill the requirement of clause 7.9 (14) of these regulations.

Chapter -9: Cyber Security and Communication Code

9.1. General:

- Cyber Security and Communication Code provides for planning, implementation, operation and maintenance and up-gradation of the reliable communication system for all communication requirements including the exchange of data for integrated operation of State Grid.
 - a. To ensure seamless integration, reliable, redundant, and secure communication:
 - b. To ensure that any network change shall not cause any adverse effect on the functioning of the existing Communication System. The Communication System shall continue to perform an intended function with specified reliability, security, and quality;
 - c. A Data Provider or an intervening Communication System Provider is required to be aware, in advance, of the latest standards and conditions to be met by its system for being connected into the Communication System.
 - d. To safeguard the State grid from spyware, malware, cyber-attacks, network hacking.
 - e. The procedure for security audit from time to time, upgradation of system requirements and keeping abreast of latest developments in the area of cyber-attacks and cyber security requirements.

9.2. Boundary of Communication System:

9.2.1 Intra-State Communication System shall cover:

- a. SLDC control rooms
- b. STU (In-STS network)
- c. Distribution Companies and Buyers within the State
- d. State Generating Stations, IPPs including RE generators connected to In-STS.
- e. Substations of STU and State Transmission licensees
- f. Nodes of ISTS with In-STS
- g. Captive Generators/Consumers

9.3. Periodic Testing of Communication System:

- All Users providing communication systems shall facilitate periodic testing of the communication system in accordance with the procedure for testing and maintenance to be prepared by STU.
- 2. STU shall prepare the procedure for testing and maintenance of communication network security system including third party system if any in accordance with provisions of the CEA (Technical Standard for Communication system in Power System Operation) Regulations 2020 within 60 days from the date of notification of these Regulations and approved by Grid Code Review Panel.

9.4. Periodic Auditing of Communication System:

The Protection and Communication Coordination Committee under Grid Code Review Panel shall conduct a performance audit of the communication system annually as per the procedure specified by CERC/RPC/RLDC/Authority. Based on the audit report, Grid Code Review Panel shall issue necessary instructions to all stakeholders to comply with the audit requirements within the time stipulated by the Grid Code Review Panel.

9.5. Fault Reporting:

- 1. SLDC in case of outage of telemeter data or communication failure shall inform the respective User so that the User shall ensure the healthiness of its communication system. In case outage pertains to a fault in the communication system of other User, the User shall lodge complaints about the failure of the communication to the communication system owner for quick restoration.
- 2. The communication provider shall explore the possibility for route diversion on the existing facility in close coordination with a concerned provider in case the fault restoration is prolonged. No separate charges shall be paid for such route diversion

or channel re-allocation. However, such re-routing shall be discontinued once the original channel is restored.

9.6. Communication System Availability and Backup:

- 1. All Users of In-STS shall maintain the communication system availability at 99.9% annually and with a backup communication system, the availability of the communication system shall be 100%.
- 2. The SLDC shall maintain the record of communication system availability and submit to the Commission on yearly basis.

9.7. Monitoring and Reporting of Communication System Performance:

- All Users/Transmission Licensees shall monitor and keep record of the month-wise Communication System (SCADA RTU) Availability Index and Average Duration of Downtime per month (in Minutes) for AMR System at each Connection Point and submit report for the past six-monthly performance during next Protection and Communication Coordination Committee meeting.
- 2. Protection and Communication Coordination Committee shall review and deliberate on the cause of the significant variations in indices from the normal range (below 99.9% for Communication System (SCADA/RTU) Availability Index and more than 60 minutes/month in case of Average duration of Downtime for AMR system) and guide the remedial actions for the improvements.
- 3. STU in consultation with Protection and Communication Coordination Committee shall formulate detailed procedure for measurement, monitoring and reporting of the Communication System Index (for SCADA/RTU) and Average duration of Downtime (for AMR System) at Connection Point covering In-STS and procedure for centralized supervision for quick fault detection and restoration. STU shall publish such report on its website from time to time.

9.8. Cyber Security:

- 1. All Users shall identify critical and vulnerable cyber assets and take maximum possible efforts to protect them from potential cyber-attacks so as to support reliable and secure operation of the grid.
- Communication infrastructure shall be planned, designed, and executed to address the network security needs as per the standards specified by CEA and shall be in conformity with the Cyber Security Policy of the Government of India, issued from time to time.

- 3. STU in assistance with SLDC shall prepare a standard Operating procedure for Cyber Security, Crisis Management Plan and/or procedure in line with Information Technology (IT) Act 2002, as amended from time to time and any other rules or policy or guidelines relevant to the subject, within six months from the date of notification of these Regulations, to ensure that adequate Cyber Security mechanism is available with all Users to prevent any potential cyberattack on the systems and submit for approval of the Grid Code Review Panel.
- 4. An appropriate communication or IT network may be built up preferably using Multi- Protocol Label Switching, which is simple, cost-effective, and reliable. In the remote places where connectivity is a problem, the stations can use dedicated fibre cable from the nearest node. Such communication or IT network may be built using dedicated fibres to avoid any cyber-attack on the power system.
- 5. The existing communication or IT network shall be maintained properly. Remote Terminal Units and communication equipment shall have an uninterrupted power supply with proper battery backup so that in case of total power failure, supervisory commands and control channels do not fail.
- 6. Regular cyber vulnerability test/mock drills/cyber audit/and other measures as per the crisis management plan of Computer Emergency Response Team (CERT) shall be carried out regularly by all Users, SLDC and STU. The frequency of such audits/mock drills shall be decided by STU in the procedure/guidelines stipulated as per clause (3) of these Regulations.
- 7. A cyber audit specifically to detect malware targeting Industrial Control Systems (ICS) shall be conducted at critical plants and substations SLDC and STU control rooms after any abnormal event.
- 8. A dedicated team of IT Personnel for cyber security of substations shall be developed and proper training for the team members shall also be imparted regularly by the respective organizations to upgrade their skills.
- SLDC shall scrutinize the cyber security incidences and discuss them in the Protection and Communication Coordination Committee and Grid Code Review Panel and take necessary actions as deemed fit.
- 10. Grid Code Review Panel shall ensure that third party cyber security audits shall be conducted periodically (period to be decided at Grid Code Review Panel) and appropriate measures shall be implemented to comply with the findings of

the audits. The audits shall be conducted by CERT-In certified third-party auditors.

9.9. Cyber Security Coordination Forum:

- 1. The sectoral CERT (Computer Emergency Response Team) for wings of power sector, as notified by Government of India, from time to time, shall form a Cyber Security Coordination Forum with members from all concerned utilities and other statutory agencies to coordinate and deliberate on the cyber security challenges and gaps at appropriate level. A committee of the same shall be formed at the State level by STU including all sectorial of power sector.
- 2. The sectoral CERT will lay down rules of procedure for carrying out their activities.

9.10. Guidelines or Procedures to be Issued by Different Entities:

- Following entities shall be responsible for preparation, consultation and finalization
 of the Guidelines/Procedures required under these Regulations which shall be in
 line with the Central Electricity Authority (Technical Standards for Communication
 System in Power System Operations) Regulations, 2020 and Central Electricity
 Regulatory Commission (Communication System for inter-State transmission of
 Electricity) Regulations, 2017 and amended from time to time.
 - a. SLDC shall prepare Guidelines on "Interfacing Requirements" in respect of terminal equipment, RTUs, SCADA, PMUs, Automatic Generation Control (AGC), Automatic Meter Reading (AMR) Advanced Metering Infrastructure (AMI), etc., and for data communication from the User's point to the respective control center (s) based on technical standards issued by CEA;
 - b. STU shall prepare Procedure on "Centralized supervision for quick fault detection and restoration" as per the Regulation 9.7.3 and "Testing and Maintenance of communication system" as per the Regulations 9.3.2;
 - c. STU shall prepare Guidelines on "Availability of Communication System" in consultation with SLDC and other stakeholders and submit to Grid Code Review Panel.
- 2. All the entities shall post the draft guidelines/procedure on its website and invite comments from the stakeholders and finalize the guidelines after considering the comments received from them. The entities, while submitting the final

procedures/guidelines to the Commission, shall submit a statement indicating its views on the comments received from the general public and stakeholders.

Chapter- 10: Monitoring and Compliance Code

10.1. General:

This code deals with (a) monitoring of compliance of these Regulations by various entities in the grid by Grid Code Review Panel, STU, SLDC or any other person, (b) manner of reporting the instances of violations of these Regulations and (c) taking remedial steps or initiating appropriate action.

10.2. Assessment of Compliances:

The performance of all users, STU, SLDC, In-STS, Intra state entity Generating Station and QCA, with respect to compliance of these regulations shall be assessed periodically.

10.3. Monitoring of Compliance:

- 1. In order to ensure compliance, two methodologies shall be followed:
 - a. Self-Audit
 - b. Compliance Audit

2. Self -Audit:

- a. All users, STU, SLDC, In-STS, Intra state entity Generating Station and QCAs shall conduct annual self-audits to review compliance of these regulations and submit the reports by 31st July of every year.
- b. The self-audit report shall inter alia contain the following information with respect to non-compliance:
 - Sufficient information to understand how and why the non-compliance occurred;
 - ii. Extent of damage caused by such non-compliance;
 - iii. Steps and timeline planned to rectify the same;
 - iv. Steps taken to mitigate any future recurrence;
- c. The self-audit reports by users, QCAs shall be submitted to the SLDC.
- d. The self-audit reports of STU and SLDC shall be submitted to the State Commission.
- e. The deficiencies shall be rectified in a time bound manner within a reasonable time.

- f. In the State control area, the monitoring agency for users shall be the SLDC; The monitoring agency shall track the progress of compliances of users, and exceptional reporting for non- compliance shall be submitted to the Commission.
- g. The monitoring agency for STU and SLDC, shall be the Commission.
- h. The Grid Code Review Panel in the State shall also continuously monitor the instances of non-compliance of the provisions of these regulations and endeavor to sort out all operational issues and deliberate on the ways in which such cases of non-compliance shall be prevented in future. The Grid Code Review Panel may also report any unresolved issues to the Commission.
- i. The Commission may initiate appropriate proceedings upon receipt of report under sub-clauses (f) and (h) of this clause.
- j. In case of non-compliance of any provisions of these regulations by SLDC, STU, In-STS, Intra state entity Generating Station, Users and any other person, the matter may be reported by any person to the Commission through filing of a petition.

3. Independent Third-Party Compliance Audit:

The Commission may order independent third-party compliance audit for any user, STU, SLDC, and QCA as deemed necessary based on the facts brought to the knowledge of the of the Commission.

Chapter- 11: Miscellaneous

11.1. Power to Relax:

The Commission, for reasons to be recorded in writing, may relax any of the provisions of these regulations on its own motion or on an application made before it by an affected person to remove the hardship arising out of the operation of any of these regulations, applicable to a class of persons.

11.2. Power to Remove Difficulty:

If any difficulty arises in giving effect to the provisions of these regulations, the Commission may, on its own motion or on an application made before it by the nodal agency, by order, make such provisions not inconsistent with the provisions of the Act or provisions of other regulations specified by the Commission, as may appear to be

necessary for removing the difficulty in giving effect to the objectives of these regulations.

11.3. Repeal and Savings:

Save as otherwise provided in these regulations, the Central Electricity Regulatory Commission (Karnataka Electricity Grid Code) Regulations, 2015 and all subsequent amendments thereof shall stand repealed from the date of commencement of these Regulations.

11.4. Issue of Suo Motu Orders and Directions:

The Commission may from time to time issue suo motu orders and practice directions with regard to implementation of these regulations and matters incidental or ancillary thereto, as the case may be.

11.5. Treatment of These Regulations in Contract:

The provisions of these regulations or any amendments thereof shall not be treated under 'Change in law' in any of the agreements entered into by any of the Users covered under these regulations.

By approval of the Commission,

Secretary Karnataka Electricity Regulatory Commission

ANNEXURE-I

Site Responsibility Schedule

Name of Power Station / Sub – Station: Site Owner:

Site Manager: Tel. Number: Fax

Number:

Item of Plant /	Plant	Safety	Control	Operation	Maintenance	Remarks
Apparatus	Owner	responsibility	responsibility	responsibility	responsibility	
KV Switchyard						
All equipment						
including bus						
bars						
Feeders						
Generating units						

ANNEXURE-2

Assessment of Secondary and Tertiary Generation Reserves at Intra State Level:

- Area control error (ACE) for each Control Area shall be calculated using subclause (d) of clause (10) of Regulation 6.5.2 of these regulations, time block wise for the last financial year.
- 2. The positive ACE and negative ACE shall be separately tabulated.
- 3. The positive ACE shall be arranged in ascending order and 99 percentile of such ACE shall be captured. Similarly, negative ACE shall be arranged in ascending order and 99 percentile of such ACE shall be captured.
- 4. Such 99 percentile of positive and negative ACE respectively of a control area for previous financial year, is the desired positive and negative secondary reserve capacity for such control area for next financial year. Desired quantum of tertiary reserve of the control area shall also be equal to such estimated secondary reserve.
- 5. The total reserves in a State shall be algebraic sum of reserves in each state control area.
 - However, due to diversity within the State, the State as a whole might need lesser reserves of secondary and tertiary reserves. The reserve requirement shall be based on regional ACE which shall further be divided to identify the share of each state based on 99 percentile ACE of such State control area.
- 6. The amount of reserve to be kept with each State control area as per clause (5) of this Annexure shall be validated against the maximum unit size of the intrastate generator of that control area such that reserve requirement is not more than unit size of maximum intra-state generator.
- 7. The secondary reserves for each control area obtained as per clause (5) of this Annexure shall be further apportioned among the reserve to be kept at intrastate generation and at inter-state generation as per the following considerations:

- 1) The maximum demand and maximum internal generation for each control area.
- 2) The ratio of demand met through internal generation and inter-state generation (drawal from the grid) is calculated.
- 3) The above ratio is used to apportion the secondary reserve obtained as per clause-5 of this Annexure among the reserves to be maintained by each control area at intra- state generators and inter-state generators.

Illustration: The maximum demand met of Karnataka is 13602 MW and internal generation is 6932 MW. The drawal from the grid is therefore 13602-6932= 6670 MW. Suppose the reserve capacity calculated for Karnataka in step-5 is 91 MW. The ratio of demand met by internal generation is 0.51 (6932/13602) and by ISGS generation is 0.49 (6670/13602). Thus reserve to be kept by Punjab in intra-state generation is 46 MW (0.51*91) and in ISGS generation is 44 MW (0.49*91).

8. For control areas having no generation or very small generation, the entire reserves capacity calculated as per clause (5) of this Annexure for the state, shall be kept at inter- state generation.

ANNEXURE-X

Accounting and Pool Settlement System

(1) Metering, Accounting and Settlement System:

- (a) At the Intra State Transmission System (In-STS) level, the basic principle followed is that all settlements for the energy scheduled before the fact are done directly between the sellers and the buyers, with the SLDC issuing the Accounts specifying the quantum of energy scheduled. All deviations from the schedule are settled through a regulatory Pool Account maintained by SLDC where only the deviation payments are handled.
- (b) The settlement system shall be transparent, robust, scale-able (multi buyer/seller, inter connection with lower and upper pool systems) and dispute-free with integrity and probity and usage of state of the art techniques. The settlement computation details, applicable charges and operation of different regulatory Pool Accounts shall be in accordance with various

- regulations of the Commission. SLDC shall standardize the formats of various accounts.
- (c) The Implemented Schedule incorporating all before-the-fact changes in schedule shall be used as a reference for energy accounting.
- (d) Energy Accounts inter-alia shall indicate Declared Capability of generating stations, Entitlements, Requisitions, scheduled loss, scheduled transactions and actual Interchange, Reactive Power Accounts, and any other accounts to be issued under KERC Regulations.
- (e) Assumptions, if any, in the accounts shall be clearly stated in Notes to the Accounts.
- (f) Each Intra-State entity (whether generator, RE Generator, QCA (on behalf of generators), captive Power Plant, OA customer connected at ISTS) in a State shall be a member of the State pool and separately accountable for deviations.

ANNEXURE- A Procedure to Be Submitted for Information of the State Commission, After Preparation and Due Stakeholder Consultation.

SI. No	Entity Responsible	Drafting Responsibilities	Timeline to submit to the Commission from date of notification of these regulations	Reference Regulation of these Regulations
1	STU	The standard format for user seeking to establish new or modified arrangement of connection or for use of In-STS or distribution system	60 days	4.3(1)
2	STU	The standard connection agreement shall be prepared in line with Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter- State Transmission System) Regulations,	60 days	4.5(a)
3	SLDC	Detailed procedure covering modalities for first time energization and integration of new or modified power system elements.	60 days	4.3(5)
4	SLDC	Detailed procedure covering modalities for carrying out inter connection studies.	90 days	4.6(b)
5	SLDC	Detailed Operating Procedures for State grid Shall be developed, maintained and updated,	90 days	6.3, 6.3.13

		consistent with the operating Procedure of RLDC/NLDC.		
6	SLDC			6.3.5
7	STU	List of System Protection Schemes in the power system (including intertripping and runback) for Users and Transmission Licensees to facilitate identification, installation and Commissioning.		6.3.12
8	Grid Code Review Panel	The Grid Code Review Panel shall prepare the Procedure for RE curtailment and after approval of Commission it shall be implemented by SLDC	Grid Code Review Panel shall 60 days 6.3.2 pare the Procedure for RE tailment and after approval of mmission it shall be implemented	
9	SLDC	Compensation of quick start synchronous generation	60 days	6.5.2
10	Grid Code Review Panel	The Procedure for cost allocation of SRAS & TRAS procurement done by NLDC/SLDC among Users/generating Stations.	120 days	6.5.2 (10.s) (11.g)
11	STU	STU in consultation with SLDC shall develop a procedure for relieving congestion in the In- STS within a period of six months from the date of notification of these Regulations	120 days	6.17
12	Grid Code Review Panel	Detailed procedure to start a unit under different conditions such as HOT, WARM and COLD	60 days	7.7 (4)
13	Grid Code Review Panel	Supply from alternate REGS source: sharing of net savings for generating stations whose tariff is determined under Section 62 of the Act.	60 days	7.8 (3) (f)
14	As per RPC	Tuning procedure for Power System Stabilizers, AVRs of generating units and reactive power controllers		6.3 (20)
15	SLDC	Common outage planning procedure	60 days	
16	SLDC	Restoration Procedure	To be updated every year	6.8(1)
17	User			6.8(3)
18	SLDC	Detailed Operating Procedure	-	6.9(2)
19	STU	Procedure for relieving congestion in the In- STS within a period	60 days	6.10
20	Distribution Licensee/Us er/STU	Contingency procedures to make arrangements that will enable demand disconnection to take place	60 days	6.12(4)

21	SLDC	Methodology & Procedure for carrying out Reactive Energy accounting of intra state entity (ies)	15 days	6.17(k)
22	TU	Procedure for testing and maintenance of communication network security system including third party system if any in accordance with provisions of the CEA (Technical Standard for Communication system in Power System Operation) Regulations 2020	60 days	9.3(2)
23	STU	Procedure for measurement, monitoring and reporting of the Communication System Index (for SCADA/RTU) and Average duration of Downtime (for AMR System) at Connection Point covering In-STS and procedure for centralized supervision for quick fault detection and restoration	within six months from the date of notification	9.7(3)
24	SLDC	Standard Operating procedure for Cyber Security, Crisis Management Plan and/or procedure in line with Information Technology (IT) Act 2002, as amended from time to time and any other rules or policy or guidelines relevant to the subject	within six months from the date of notification	9.8(3)
25	STU	Procedure on "Centralized supervision for quick fault detection and restoration" as per the Regulation 9.7.3 and "Testing and Maintenance of communication system	within six months from the date of notification	9.10(b)
26	STU	Guidelines on "Availability of Communication System" in Consultation with SLDC	within six months from the date of notification	9.10(c)

KARNATAKA ELECTRICITY REGULATORY COMMISSION

No. 16 C-1, Miller Tank Bed Area, Vasanth Nagar, Bengaluru- 560 052.

NOTIFICATION KERC/KEDC/2024-25/1345, dated: 20.01.2025 Draft Karnataka Electricity Distribution Code (KEDC), 2024

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Draft Karnataka Electricity Distribution Code (KEDC), 2024

Preamble:

 In exercise of powers conferred under clause (zp) of sub-Section (2) of Section 181 read with sub-Section (1) of Section 42 of the Electricity Act, 2003 (36 of 2003) and all other powers enabling it in this behalf, the Karnataka Electricity Regulatory Commission had notified the Distribution Code, 2015 (KEDC, 2015) on 03.02.2016.

Part VI of the Electricity Act deals with provisions with respect to Distribution Licensees. Sub-Section (1) of Section 42 of the Act provides that, it shall be the duty of a Distribution Licensee to develop and maintain an efficient, coordinated and economical Distribution system in his area of supply and to supply electricity in accordance with the provisions contained in the Act read with section 57, 59 and 61.

The Central Electricity Regulatory Commission has notified (Indian Electricity Grid Code)
Regulations, 2023 on 29.05.2023 duly repealing IEGC Regulations 2010 and all
subsequent amendments thereof.

This has mandated upon the Distribution Licensees, various functions in the Operating Code and the Schedule and Dispatch Code covering the Resource Adequacy framework for demand assessment and forecasting, generation resource planning, power procurement planning, and monitoring and compliance along with demand management schemes for automatic load management like rotational load shedding, demand response (which may include lower Tariff for interruptible loads) etc., to curtail / prevent over drawal from the grid at times of low frequency etc.

- 3. The CEA/CERC/FoR has notified New/Model Regulations/Guidelines and amendments to the existing Regulations cited as under:
 - a) Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006.
 - b) Central Electricity Authority (Technical Standards for Connectivity in the Grid) Regulations, 2007.
 - c) Central Electricity Authority (Grid Standards) Regulations, 2010.
 - d) Central Electricity Authority (Technical Standards for Connectivity of the Distributed Generation Resources) Regulations, 2013.

- e) FoR Model Regulations on Power Quality for State, 2018.
- f) Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020.
- g) Central Electricity Authority (Cyber Security in Power Sector) Guidelines, 2021.
- h) Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022.
- Central Electricity Authority (Measures Relating to Safety and Electric Supply)
 Regulations, 2023.
- j) Central Electricity Authority (Electricity Distribution Network Planning Criteria) 2023.
- k) Central Electricity Regulatory Commission (Indian Electricity Grid Code)
 Regulations, 2023.
- CEA (Guidelines and Best practices for Operation and Maintenance of Distribution Transformers) March 2023.

In view of the foregoing, the following Codes and Standards for the Distribution System are proposed to be revised in order to be consistent with the Regulations of CERC and CEA mentioned above.

1. Distribution Planning Code:

- a) System Construction and Security Planning
- b) Resource Adequacy Planning
- c) Quality Assurance Plan(QAP)

2. Distribution Operation and Maintenance Code.

3. Safety Standards for Distribution System.

Thus, by exercising the powers conferred under the provisions of Electricity Act, 2003 (36 of 2003) cited in the para no., the Karnataka Electricity Regulatory Commission hereby notifies the draft KERC (Karnataka Electricity Distribution Code) Regulations, 2024 to enforce standards with respect to quality, continuity and reliability of service by Distribution licensees.

The Stakeholders, interested persons may file their comments / views / suggestions / objections, if any, on the Karnataka Electricity Distribution Code(KEDC) Regulations,

2024, on or before 21st February, 2025, before the Secretary, KERC, # 16C-1, Millers Tank Bed Area, Vasanth Nagar, Bengaluru 560 052:

The Secretary,

Karnataka Electricity Regulatory Commission,

No. 16, C-1, Millers Tank Bed Area, Vasanth Nagar, Bengaluru, 560 052, Karnataka, India. E-mail: kerc-ka@nic.in Phone: 080 - 22268675/677.

NOTIFICATION (DRAFT)

In exercise of the powers conferred under clause (zp) of sub-section (2) of Section 181 read with sub-section (1) of Section 42 of the Electricity Act, 2003 (36 of 2003), and all other powers enabling it in this behalf, the Karnataka Electricity Regulatory Commission hereby specifies the Distribution Code as under:

1. Short title, extent, and commencement:

- a) These Regulations may be called the **KERC** (**Karnataka Electricity Distribution Code**) **Regulations**, **2024**.
- b) These Regulations shall come into force from the date of publication in the official Gazette of Karnataka.
- c) These Regulations shall extend to the whole of the State of Karnataka.

Chapter-1: Definitions

In this Distribution Code, the following words and expressions shall, unless the context or otherwise requires:

SI. No.	Particulars	Definition
1	Act	The Electricity Act, 2003 as amended from time to time;
2	Agreement	An Agreement entered into between the User and the Licensee for supply of electricity;
3	Apparatus	Electrical apparatus and includes all machines, fittings, accessories, and appliances in which electrical conductors are used;
4	Area of Supply	The area within which a Distribution Licensee is authorized by his Licence to supply electricity;
5	Bare Conductor	
6	Breakdown	An occurrence relating to equipment of the supply system or line, which prevents normal functioning;

7	Captive Power Plant	a Power Plant set up by any person to generate electricity primarily for his own use and includes a power
		plant set up by any Co-operative Society or Association of persons for generating electricity primarily for use of
_		members of such Co-operative Society or Association;
8	CBIP	The Central Board of Irrigation and Power;
9	Circuit	An arrangement of conductor(s) for the purpose of carrying electrical energy and forming a system or branched system;
10	Coincidence Factor	The ratio of coincident peak of a group of connected loads to the sum of peaks of the individual connected loads;
11	Conductor	Any wire, cable, bar, tube, used for conducting electricity;
12	Connected Load	The sum of the ratings in kilowatt or kilovolt-ampere of the apparatus connected to the installation of the consumer which may be connected simultaneously to the source. This shall be expressed in KW or KVA. If the ratings are in
		KVA, the same may be converted to KW by multiplying the KVA with a Power Factor of 0.85 in case of LT and 0.9 in case of HT and EHT supply. If the same or any other Apparatus is rated by the manufacturer in HP, the HP rating shall be converted into KW by multiplying it by 0.746;
13	Connection point /Interconnection	A point on the electricity system, including a sub-station or switchyard, where the interconnection is established between the customer and the electricity system of the distribution licensee and where electricity injected into or drawn from the electricity system can be measured unambiguously for the customer;
14	Consumer	Any person who is supplied with electricity for his own use by a Licensee or the Government or by any other person engaged in the business of supplying electricity to public under the Electricity Act, 2003, or any other law for the time being in force and includes any person whose premises are for the time being connected for the purpose of receiving electricity with the works of a Licensee, the Government or such other person, as the case may be;
15	Contract Demand	Demand in kilowatt (kW)/kilovolt ampere (kVA)/Horse Power (HP) as mutually agreed between Distribution Licensee and the Consumer and as entered into in the agreement for which Distribution Licensee makes specific commitment to supply from time to time in accordance with the governing terms and conditions contained therein or equal to the sanctioned load, where the contract demand has not been provided through /in the agreement;
16	DCRP	Distribution Code Review Panel;
10	DOM	DISTRIBUTION COUC NOTION LATION,

17		The customers identified as major power quality polluters
	Designated Customers	due to their installed non-linear loads or generation or
	_	otherwise under these Regulations and shall inter-alia
		include commercial buildings (Healthcare, Hotels,
		Airports, Malls etc.), IT/ITES and Banking, Finance &
		Service Industries (BFSI), Automobiles, Iron & Steel,
		Aluminum, Textile, Paper & Pulp, Chlor-Alkali, Petro-
		Chemical, Cement, Pharmaceuticals, Fertilizer, Food
		Processing, Plastic & Rubber and Railways/Metros, grid
		connected distributed generating resource and Electric
		Vehicle Charging infrastructure etc.;
18		Licensee authorized to operate and maintain a
	Distribution Licensee	distribution system for supplying electricity to the
		Consumers in his Area of Supply;
19		The system of wires and associated facilities between the
	Distribution System	delivery points on the transmission lines or the generating
		station connection and the point of connection to the
		installations of the consumers;
20	Diversity Factor	The ratio of the sum of peaks of group of connected
	21101011, 1 40101	loads to the combined peak load of the group;
21	DCC	The Distribution Control Centre as established by the
		Distribution Licensee to carry out the functions specified
		in the Grid Code and the Distribution Code;
22		Any company or body corporate or association or body
	Generating company	of individuals, whether incorporated or not, or artificial
		juridical person, which owns or operates or maintains a
		generating station;
23	GRID CODE	The Grid Code specified by the State Commission under
0.4		sub-Section 1(h) of Section 86 of the Act;
24	11	The sinusoidal component of a periodic wave, either
	Harmonic	Voltage or Current waveform, having a frequency that is
		an integral multiple of the fundamental frequency of 50 Hz;
25	High Tension Supply	The nominal Voltage greater than 650 V and up to and
23	(HT)	inclusive of 33 KV
26	(111)	Those Standards and specifications approved by the
20	Indian Standards	Bureau of Indian Standards; Indian Standard and in the
	maian sianaaras	absence of Indian Standard, International Electro
		Technical Commission Standard, Institute of Electrical
		and Electronic Engineers Standard, European Norms
		Standard in the sequence of their appearance unless
		stated otherwise;
27		The ratio of average load to peak load over a
	Load Factor	designated period;
28	Low Tonsion (IT) Summb	
	Low Tension (LT) Supply	Voltages of 650 volts and below;
29	Operational Metering	The monitoring of energy and power supplied to
	- 6	Distribution Licensee from a Transmission substation;

30		The ratio of Watts to Volt amperes or the cosine of the
30	Power Factor	electrical angle between voltage and current
		complexors in an AC circuit (The ratio of Active Power
		(kW) to Apparent Power (KVA));
31		The point of metering, or any other point on supply system
		of distribution licensee, electrically nearest to the
	Point of Common	particular load at which other loads are, or could be,
	Coupling (PCC)	connected. For service to industrial users (i.e.,
	Cooping (1 CC)	manufacturing plants) via a dedicated service
		transformer, the PCC is usually at the HV side of the
		transformer. For commercial users (office parks, shopping
		malls, etc.) supplied through a common service
		transformer, the PCC is commonly at the LV side of the
		service transformer.
32		A device suitable for monitoring and recording of power
-	Power Quality Meter	quality. It shall be capable of accurate measurement,
		monitoring and recording of harmonics, sags, swells,
		flickers and other power quality parameters;
33		A person who consumes electricity from the grid and can
	Prosumer	also inject electricity into the grid, using the same
		network.
34		The State Load Dispatch Centre established under sub-
	SLDC	Section of Section 31 of the Electricity Act, 2003;
35		State Transmission Utility specified by the State
	STU	Government under sub-Section (1) of Section 39 of the
		Act;
36		Means the "Harmonic content" collectively present in a
	Total Harmonic	system and expressed as a percentage of the
	Distortion (%THD)	fundamental;
37	T	A Licensee authorized to establish and operate
	Transmission Licensee	transmission system;
38		The System consisting of extra high voltage lines/UG
	Transmission System	Cables and stations, having design/nominal voltage of
		66 KV and above owned or operated by a Transmission
		Licensee for transmission of electrical power from the
		generating station / sub-Station bus bars up to the inter-
		connection point with the distribution system. This shall
		not include any part of the distribution system;
39		Any person having electrical interface with, or using the
	User	distribution system of the Distribution Licensee to whom
		this Code is applicable. Any other Distribution Licensee,
		institutions covered under Section 13 of the EA 2003 and
		generating units connected to the distribution system are
		also included in this term;
40		The deviation between the highest and the lowest line
	Voltage Unbalance	voltage divided by the average line voltage of the three
		phases;
	-	

The words or expressions occurring in this Code but not defined above shall have the same meaning as in the "GRID CODE", or the Electricity Act, 2003, or in the Rules and Regulations framed under the said Act. In the absence thereof, the meaning commonly understood in the electricity industry shall be applicable.

Chapter-2: Introduction / Objectives

2.1 General:

The "Distribution Code" is set to cover:

- a. Distribution Planning Code: covers all the technical and design criteria and procedures to be followed by the Licensee, users connected and also seeking connection, including those covered under Section 23 read along with Section 53 of the Electricity Act, 2003, in the planning and development of the distribution system in their area of supply to ensure development and maintenance of an Efficient, Coordinated, Economical and reliable Distribution. Network considering safety and protection parameters. This is classified into:
 - a) System Construction and Security Planning;
 - b) Resource Adequacy Planning;
 - c) Quality Assurance Plan(QAP);
- b. **Distribution Operation and Maintenance Code:** contains the conditions under which the Distribution Licensee, institutions covered under section 13 read along with Section 23 (Directions to Licensees) of the EA, 2003 and Users shall operate their system by ensuring security and safe operation of the system under normal, alert, emergency, extreme emergency and restorative state and to maintain the quality, continuity and reliability of the services.
- c. Safety Standards for Distribution System: Distribution licensees are responsible for maintaining the safety of the distribution system, including preventing danger to people and animals and damage to property. They must comply with the CEA regulations for construction and maintenance of distribution systems.

2.2 Applicability:

a. The provisions of the Distribution Code shall be applicable to all the Distribution Licensees including deemed licensees, open access consumers connected

to distribution system along with entities covered under proviso 8 of Section 14 of the Act.

- b. To all the specific Users of the Licensee's Distribution System (including Transmission Licensee) and those institutions covered under Section 13 of the Electricity Act, 2003.
- c. Further, the Distribution Licensees and the Users connected to / seeking connection with the distribution system shall comply with the Conditions of Supply of Electricity of the Distribution Licensees in the State of Karnataka and other applicable Regulations relating to supply of electricity along with standards and Regulations under relevant laws in force.

2.3 Implementation:

- a. The distribution licensee shall be responsible for the implementation of the Distribution code.
- b. Nothing contained in this Code should be interpreted as imposing obligations/duties on Consumers/ Distribution Licensees greater or more onerous than those mentioned in the Electricity Act, 2003 under relevant clauses.
- c. The Distribution Code contains procedures for the management of day-to-day technical situations in the Distribution System, considering a wide range of maintenance and operational conditions likely to be encountered under both normal and abnormal conditions. The Distribution Code cannot foresee all the possible operating conditions. Users must therefore understand and accept that the Distribution Licensee, in such unforeseen circumstances, may be required to act decisively and with due expedition to discharge his obligations under the Licence. Users shall provide such reasonable co-operation and assistance as the Distribution Licensee may require in such circumstances.

The concerned Distribution Licensee shall however refer all such cases for ratification in the "Distribution Code Review Panel.

d. Confidentiality:

The Distribution Licensee shall not, other than as required by Distribution Code, disclose any such information to any other person without the prior written

consent of such informant unless required by Central/State government departments or any authority.

2.4 Implementation and Review of the Distribution Code:

a. Introduction:

- i) A standing body called "Distribution Code Review Panel (DCRP)" shall be constituted by the Bangalore Electricity Supply Company Limited (BESCOM) comprising of a Chairperson and Members.
- ii) BESCOM shall publish the names of the Members of Review Panel and also inform each Distribution Licensee.
- iii) The functioning of the panel shall be coordinated by the Secretary of the Review Panel.
- iv) No change in this Distribution Code, however small or big, shall be made by the Distribution Licensees without being deliberated upon and agreed to by the Distribution Code Review Panel and thereafter approved by the KERC.

(However, in an unusual situation where normal day to day operation is not possible without revision of some clauses of Distribution Code, a provisional revision may be implemented before approval of KERC is received, but only after discussion at a special Review Panel Meeting convened on emergency basis. KERC should promptly be intimated about the provisional revision. KERC may issue directions required to revise the Distribution Code accordingly as may be specified in those directions and the Distribution Licensee shall promptly comply with any such directions).

b. Members of the Distribution Code Review Panel:

- i) The Chairperson and the Members except the Member Secretary shall be part time members of the panel. The review panel shall generally consist of the following members having knowledge and practical experience in technical matters related to electricity supply by utilities.
- ii) The Chairperson and the Secretary of the Distribution Code Review Panel shall be on rotation basis from among the members of the Distribution Licensees, but at no point of time the Chairperson and the Secretary shall

belong to the same Distribution Licensee. The Secretary shall be a full-time Member of the Review Panel.

- iii) The Members of the Review Panel shall be as follows:
 - 1) One senior technical officer from each Distribution Licensee.
 - 2) One Member from State Transmission Utility (STU).
 - 3) One Member from SLDC.
 - 4) One Member each from among Captive Power Plants, Co-Generation units, conventional and non-conventional generating units representing all such Users in Karnataka State. On completion of tenure, the Member shall be replaced by another person belonging to a different Distribution Licensee's territory.
 - 5) One representative from Small Scale Industries / FKCCI / Consumer Care Society.
 - 6) Two independent experts in the field of Electrical Engineering in which one may be from a reputed academic Institution.
- iv) The members of the Review Panel shall normally have tenure of two years unless he/she ceases for any reason to be member of the Review Panel. Chairperson of the Review Panel may consider the replacement of such members.

c. Functions of the DCRP:

The functions of the Review Panel shall be:

- i) To frame its own rules and procedures for conducting its business including forming a standing secretariat and appropriate funding arrangements for the panel.
- ii) Maintenance of the Distribution Code and its working under continuous scrutiny and review.
- iii) Consideration of all requests for review made by any User and publication of their recommendations for changes in the Distribution Code together with reasons for such changes.
- iv) Provide guidance on interpretation and implementation of the Distribution code.

- v) Examination of the problems raised by any User as well as resolution of the problems.
- vi) Ensuring that the changes/modifications proposed in the Distribution Code are consistent and compatible with Standard Technical Manual or Guidelines, Codes, Laws, Acts, Rules and Regulations in force at that point of time.
- vii) Constitution of a sub-Committee for detailed study of various matters pertaining to the Distribution Code and circulation of the findings and recommendations to Review Panel Members and the entities concerned.
- viii) Holding of meetings as required but at least one meeting shall be held in six months.
- ix) Subsequent to any such review as above, the Secretary of the Panel shall submit the following to the KERC:
 - a) A report on the outcome of any such Review Meeting;
 - b) Any proposed revision or revisions, the Panel may reasonably think it fit for achieving the objectives of the Distribution Code;
 - c) All written representations or objections from any Member of the Panel whose views were not acceptable to the Panel;

2.5 Management of Distribution Code:

The section defines the method of managing Distribution Code, pursuing of any changes/ modifications required and the responsibilities of the Distribution Licensees and the Users/ Consumers in this regard. This Section facilitates revisions considering the views of all parties in an equitable manner.

2.6 Unforeseen Circumstances:

In the event, any circumstance not envisaged in the provisions of the Distribution Code arises, the Distribution Licensee shall, to the extent reasonably practicable, consult promptly in good faith with all the affected Users in an effort to reach an agreement as to the further course of action. If such an agreement cannot be reached within the available time, the Distribution Licensee shall follow a prudent utility practice, keeping in view the nature of the unforeseen circumstance and

the technical parameters of the affected User's system. Under such an event, the affected Users shall comply with the instructions given by the Distribution Licensee. The concerned Distribution Licensee shall however refer all such cases for consideration in the next meeting of the Panel.

2.7 Non-Compliance:

The Conditions of Licence require the Distribution Licensee to comply with the provisions of the Distribution Code. The Users are required to comply with the provisions of the Distribution Code, which are applicable to them. Any User or Distribution Licensee to whom the provisions of the Distribution Code apply and for any reason unable to comply with the same, shall promptly refer the matter to the KERC, justifying his actions. The KERC may grant exemption depending upon the merits of such matter. Non-compliance with the provisions of the Distribution Code without justifiable reasons shall constitute breach of Conditions of Licence.

Chapter-3: Distribution Planning Code

3.1 Distribution Planning Code Objectives:

The objectives are as under:

- i) Providing 24x7 reliable, quality & economical power to all consumers.
- ii) Making the power system more agile, resilient & smart with environmental sustainability.
- iii) Optimum utilization of existing assets with minimum Technical & Commercial Losses.
- iv) Minimum addition of new network elements to meet the performance standards set by the respective Regulatory Commissions.
- v) Phase the system expansion to match the growing power demands in the time horizon.
- vi) Adequate communication system and IT infrastructure like SCADA, DMS, OMS, AMI, etc., for enhancing the reliability & quality of the power supply and better consumer satisfaction.
- vii) To facilitate the use of the Distribution System by any User connected to or seeking connection with it.

- viii) To specify the technical conditions to be followed by the respective Distribution Licensees and Users in meeting the standards for an efficient operation of the common electrical interface.
- ix) To specify the procedure for the exchange of the system planning data between the Distribution Licensee and the Users.
- x) To provide the required information to the Users for connection, planning, and development of their own systems and make them compatible with the Distribution System.
- xi) To enable the Distribution Licensee to co-operate with the STU in furnishing the required data as detailed in the Central / State Grid Code as the case may be.

3.2 System Construction and Security Planning:

The development of the distribution system must be planned sufficiently in advance allowing adequate time to obtain the required statutory clearances and consents or way leaves, and for carrying out the detailed engineering, design and construction to be carried out and completed within time schedule. The suitable management techniques shall be implemented allowing for sufficient time for critical activities and to co-ordinate all the activities in an efficient manner. These shall be taken care of at the time of planning itself.

The planning methodology shall include the analysis of existing system and planning of optimal & efficient future requirement of Sub-transmission and Distribution system to meet the expected demand in the operational areas.

The main objectives of System Construction and Security Planning is to design and develop an efficient and economical distribution network to provide safe, reliable and quality power supply to all consumers without any overloading or inefficient operation.

3.3 Planning Procedure:

The distribution system shall be planned and developed in such a way that the system should be capable of meeting the requirement of all categories of Consumers including open access consumers with a safe, reliable, economical

and quality supply of electricity. The distribution system shall conform to the statutory requirements of:

- i) The Electricity Act, 2003,
- The Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007,
- iii) The Central Electricity Authority (Grid Standards) Regulations, 2010,
- iv) The Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2023 Regulations and amendments issued from time to time.
- v) The Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations, 2011.
- vi) Guidelines for Model Quality Assurance plan (MQAP) for major equipment of Power Sector as per CEA Regulations 2022 notified on 23rd December 2022.

3.4 Planning Standards:

- a) To enable the planning, design and construction of the distribution system for a safe and economical operation with the specified degree of reliability conforming to the following standards:
 - Distribution System Planning and Security Standard, as per the CEA (Technical Standards for Construction of Electrical Plants and Lines) Regulations, 2022.
 - ii) Distribution System Construction, Operation and Maintenance Standard, Safety Standard for the Distribution System as per the CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 and amendments issued from time to time.
 - iii) To enable the Distribution Licensee to co-operate with the STU / Transmission Licensee in furnishing the required data as detailed in these Regulations.
 - iv) The CEA Grid Connectivity Regulations.
 - v) Relevant Indian Standard Specifications.
 - vi) Statutory Acts and Rules, which are in force,

- vii) REC (Rural Electrification Corporation) Construction Standards and Manuals.
- viii) Recommended Practice for Harmonics Control in Power Systems.
- ix) CEA (Guidelines and Best practices for Operation and Maintenance of Distribution Transformers) March 2023.
- b) The Distribution Licensee shall plan the distribution system expansion and reinforcement keeping the following in view along with all other measures to accommodate and adoption of new and evolving technology:
 - i) To provide reliable and quality power supply by maintaining voltage regulation within permissible limits at all consumer installations, this facilitates bringing down the energy losses within permissible limits.
 - ii) Maintaining optimal ratio of HT and LT line lengths to facilitate bringing down the distribution losses to less than 10%.
 - iii) Use of Aerial Bunched/Covered Conductors.
 - iv) Underground Cables.
 - v) Optimizing the number of distribution transformers and their location at the electrical load centers.
 - vi) Balancing of the loads on each of the phases of supply in LT lines.
 - vii) Power factor correction.
- c) Demand Assessment and Forecasting shall be carried out as per the KERC (Framework for Resource Adequacy) Regulations, 2024. To ensure accurate load forecasting not only for power procurement, but also for the strengthening & expansion of the network in the most economical way. It should be as accurate as possible keeping in view the quantum of future load growth and the impact of EV/Solar Roof tops/BESS/DSM etc., on the demand.

d) Geographical Information System (GIS)- Consumer Indexing & Asset Mapping:

GIS is the system which leverages the actual information of lay out of power system on the geographical map digitally. GIS helps in addressing the

challenges of utilities whose assets and network are spread across the geography for providing services to their consumers. The use of GIS can help various other processes which include SCADA, Distribution Management System, Outage Management System, Network Planning, Energy Auditing, Field Force Automation, Asset Management, Customer Relationship Management, and other associated processes. This is the optimal platform and foundation technology for utilities which contains the complete information as mentioned below:

1. Geo coordinates controlled Asset record management:

The digital maps of distribution network shall be developed for each of the following preferably by conducting GPS survey which is easier, fast, accurate and economical:

- 33 kV network of complete distribution system indicating distance, type and size of conductor /size of Underground (UG) cable with single core or 3-core for lines and Sub-Station particulars with Single Line Diagram (SLD).
- ii) The feeder-wise 11 kV lines/cables indicating the distance, type and size of conductor /UG cable, location and capacity of Distribution Transformer Centers (DTCs).
- iii) The DTC-wise LT line /cables with number of Consumers and connected load on each of LT support / LT feeder pillar Box.
- 2. Network topology for operation service management.
- Consumers' location and indexing with DTC-wise network and asset for service delivery:

The last mile of a distribution network is the pole or support in overhead system or the service pillar / feeder pillar box in underground cable distribution system. Hence, the consumer indexing has to be done with respect to the last mile of the distribution network. The integration of consumer indexing/information with distribution network system is key to providing good consumer services and enables the utility to know how each consumer is fed normally and also on real time basis.

- 4. Field Crew movement and tracking for ease of services to the customers.
- 5. Geo-fencing of the consumers for both commercial and maintenance operations, alongside vigilance activities:
 - The integration of consumer index with the distribution network will help to operate the distribution network better in the manner to simulate the network to estimate the voltage profile across the network and identify low voltage pockets without actually visiting consumer installation and measuring voltages. This will also facilitate conducting energy audit by estimating correctly the energy sales on the 11 kV Feeder / DTC and account for energy supplied to the 11 kV Feeder / DTC.
- 6. Commercial operations and O&M staff tagged to the assets and consumers with each geo-location.
- 7. The load flow studies shall be conducted using Distribution Analysis Software (DAS) by properly modeling the distribution system to identify the optimal selection of conductors, capacity, and location of Capacitors for reactive compensation and DTCs with appropriate capacities to provide quality power supply at voltages within permissible voltage regulations and to have the technical energy losses within permissible limits.
- e) The following parameters of equipment and system designs shall be standardized to facilitate easy replacement and reduction of inventories of spares in stores:
 - i) Capacities of 33/11kV and 11/0.4 kV Transformers,
 - ii) 33 kV sub-Station Layouts and 11kV DTCs,
 - iii) Pole mounted sub-Stations,
 - iv) Sizes of Bus bars,
 - v) Capacities and ratings of Circuit Breakers and Instrument Transformers,
 - vi) Earthing,
 - vii) Lightning Arresters,
 - viii) Control Panels with HT and LT Protections,
 - ix) Station Batteries,
 - x) Fire Extinguishers

3.5 Energy Audit:

The Distribution Licensee shall create responsibility centers for energy audit. Distribution sub-Division and Division in charge of Operation and Maintenance shall be made as responsibility centers and accountable for the energy input and

sales in their respective areas. They shall also compute month / year-wise distribution losses and prepare energy balance sheets of their respective areas. Appropriate meters shall be fixed to incoming / outgoing feeders in the area identified for each such responsibility center with a capability of storing half hourly load survey and Tariff metering data for 35 days by creating ring fencing.

The Division shall carry out energy audit of its total system duly compiling the data and analysis carried out in each sub-division. The energy received at each sub-Station shall be measured at the 11 kV terminals of all the outgoing feeders installed with appropriate energy meters such that the energy supplied to each feeder is accurately measured. It shall be compared with the corresponding figures of monthly energy sales and feeder-wise distribution loss shall be computed. The total losses thus computed shall be segregated for technical losses and commercial losses to facilitate initiation of the remedial measures for reduction of both technical and commercial losses separately. In case the Distribution Licensee has adopted ring main system at 11kV and there is difficulty in determining the distribution losses for each feeder, then the Distribution Licensee shall conduct energy audit for such Area of Supply.

DTC-wise energy audit: the AMR meters shall be provided at secondary side of all DTCs except IP sets and the monthly meter readings of all installations catered by the DTC shall be taken on the same day along with the meter reading of DTC. The month-wise DTC-wise energy audit shall be conducted to facilitate reduction of commercial and technical losses. Priority shall be given to the high loss making areas by taking up necessary measures to reduce the losses in the System.

The consolidated Division-wise, 11kV feeder-wise, and DTC- wise energy audit in which the loss level is more than the target level shall be furnished to the Commission on a quarterly basis.

3.6 System Construction and safety Standards:

The scope of this standard covers the distribution system comprising of Power Lines and Sub-Stations from 33 KV down to 400 / 230 Volts in respect of the following aspects as per the Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022.

Quality of Power Supply Parameters:

The system shall conform to the common design parameters for Sub-Stations (33/11 kV), Distribution Sub-station and lines indicated in Table below:

a) The system shall conform to the common design parameters for Sub-Stations (33/11 kV), Distribution Sub-station and lines indicated in Table below:

System Parameter	33kV	11 kV	0. 415 kV
Nominal System Voltage(kV)	33	11	0.415
Highest System Voltage(kV)	36	12	0.450
Frequency	50	50	50
System Earthing	Solidly earthed system	Solidly earthed system	Solidly earthed system

b) Lightning Impulse withstand Voltage and Power frequency withstand voltage values:

All the equipment shall be designed to withstand the Basic Insulation Level (BIL) values. The Impulse/ power frequency withstand voltage of the installed equipment in the distribution—system shall be adequate to withstand the lightning surges. Lightning Arresters shall be provided for all the Transformers—(Power Transformers 33/11 kV and Distribution Transformers 11/0.4 KV) and 33 kV and 11 kV lines. The lightning protection system to other equipment in the Sub-Station by shield wires or lightning masts shall be provided.

System Parameter	Voltage	Lightning Impulse withstand Voltage (kVpeak)	Power frequency withstand voltage (dry) (kV rms)
Sub-Stations (33/11 kV) and	33 kV	170	75
Switching Stations	11 kV	75	28
Distribution Sub Station (DSS)	33 kV	170	70
	11kV	75	28
	0.415 kV	-	3
Lines	33 kV	170	75
	11kV	75	28
	0.415 kV	-	3

3.7 Voltage and Current Harmonics:

The total harmonic voltage distortion and individual harmonic voltage distortion at point of common coupling shall be in accordance with the CEA Regulations, as amended from time to time, which stipulates individual and total harmonic

voltage distortion in accordance with IEEE 519 -2014 standards.

i) Voltage distortion limits:

Bus voltage V at PCC	Individual	Total harmonic
	harmonic (%)	distortion THD (%)
V ≤ 1.0 kV	5.0	8.0
1 kV < V ≤ 69 kV	3.0	5.0
69 kV < V ≤ 161 kV	1.5	2.5
161 kV < V	1.0	1.5*

*High-voltage systems can have up to 2.0% THD where the cause is an HVDC terminal whose effects will have attenuated at points in the network where future users may be connected.

- ii) Measuring and metering of harmonics shall be a continuous process with meters complying with provisions of IEC 61000-4-30 Class A.
- iii) The data measured and metered with regard to the harmonics, shall be available with distribution licensee and it shall also be shared with the consumers periodically.
- iv) The bulk consumer shall install power quality meter and share the recorded data thereof with the distribution licensee with such periodicity as may be specified by this Commission from time to time.
- v) In addition to harmonics, periodic measurement of other power quality parameters such as voltage sag, swell, flicker, disruptions shall be done as per relevant International Electro-Technical Commission Standards by the distribution licensee and the reports thereof shall be shared with the consumers.
- vi) The distributed generating resource shall not introduce flicker beyond the limits specified in IEC 61000.
- vii) The respective User responsible for generating harmonics adversely affecting the distribution system shall be responsible for appropriate correction.
- viii) The limits of injection of current harmonics at the point of common coupling by the user, method of harmonic measurement and other such matters, shall be in accordance with the IEEE 519-2014 standards, as amended, from time to time.

3.8 Voltage Regulation:

The Distribution Licensee shall take suitable measures, sufficiently in advance, to strengthen the network/ expansion to cater to the new/anticipated loads in order to maintain voltage regulation and energy losses within permissible limits.

The voltage variations at the farthest end of 33 kV and 11 kV lines should not exceed standard limits under peak loading conditions and normal system operation regime (As per relevant IS).

Voltage	Voltage variation limits				
Levels	Minimum	Maximum			
33 kV &11 kV	(-) 9 %	(+) 6%			
LT	(-)6%	(+) 6%			

Voltage variation limits values

The Distribution Licensee shall take necessary action, if the voltage regulation reaches (-) 8% or (+) 5% for 33 kV & 11 KV and (-) 5% or (+) 5% for LT level to bring the voltage variation within limits so as to avoid the violation of regulation limits. To achieve the desired voltage regulation, the provision for transferring of load to the nearby under loaded circuits may be taken up. The provision of automatic switched capacitors and on load tap changer on Power Transformers (as per IS) should be kept at Sub-station for voltage correction. Alternatively, augmentation of existing lines or construction of new lines may also be considered. The efforts should also be made to extend 11 kV network up to the load center to reduce LT line and improving HT/LT ratio for loss reduction and enhancing voltage profile at consumer premises.

The load bifurcation on nearby line / distribution transformer, augmentation of lines, use of High Voltage Distribution System (HVDS), use of energy efficient Distribution Transformers & use of automatic switched capacitors at 33 kV Substations or at Distribution Transformers level may be adopted to enhance the voltage profile at the farthest end. The installation of Automatic Power Factor Controller(APFC) panels at LT level may also be explored as per requirement.

3.9 Design Criteria for Distribution Lines:

The Distribution Licensee shall design and construct distribution system for providing reliable power supply using overhead / underground / AB cable in radial / loop system as per the CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022 and REC specifications.

- i) Depending on site conditions such as lines passing through vegetation or narrow streets, instead of conventional HT and LT lines, aerial bunched cables or UG cables shall be laid.
- ii) Vertical configuration for HT/LT overhead system can also be adopted where constraints exist for obtaining the required horizontal clearances.
- iii) Spans for the lines shall also be so chosen that, the stress on the conductors, poles and insulators does not exceed design limits.
- iv) To prevent loose contact and consequent heating and failure of joints and jump connections, appropriate connectors, P.G. clamps, wedge type clamps for jump connections and jointing sleeves by using twisting wrenches for conductor joints shall be used.
- v) All the HT and LT lines with bare/covered conductors, aerial bunched cables or UG cables, shall be constructed in accordance with the relevant REC, CEA and other relevant Standards.

The following Standards shall be adopted for planning and design purposes:

Criteria for Providing New Electrical Equipment/Augmentation/Assets in Different Scenario/Network Conditions:

SI. No.	Equipment	Criterion						
		Loading/Ring Loading above 90% in rural areas and 80 % in urban						
		areas.						
		Critical due to under-size/ old and aged sections						
		Load growth						
1.	Feeders	Technical losses are more than: 1.5%						
		Voltage regulations are not in limit for 33kV, 11kV feeders: (-9% to +6%)						
2.	Distribution	Peak loading above 80% even after load sharing within and near-						
	Transformer	by substation with LT re-networking.						
3.	Power	Loading above 70% after load sharing within						
	Transformer	substation without N-1 conditions or with nearby sub-stations.						

a) The design and construction of overhead lines with bare conductors shall be generally in accordance with IS 5613 Part I, Sections 1 and 2.

The choice of the size of conductor for a line shall be made based on the following criteria:

Optimal size of the conductors, type of conductor viz., Aluminum Conductor Steel Reinforced (ACSR), All Aluminum Alloy Conductors (AAAC) and number of circuits of the line shall be decided by conducting load flow studies using DAS software for various alternates and techno-economic analysis (TEA), considering the power to be transmitted, the field conditions and the factor of safety.

- i) Length of Line;
- ii) Line Voltage;
- iii) Permissible voltage regulation;
- iv) Mechanical strength;
- v) In coastal areas and other areas where severe corrosion is expected due to heavy rainfall and / or salinity in the atmosphere, AAAC only shall be used.

33kV lines with covered conductor mounted on pole type structure shall be as indicated below:

Conductor		Structure Type	Design	String Type	RoW (in m)
			Span (in m)		
Commonly	used			"I" String/Suspension	
ACSR	Bare	Lattice type/ Steel	250	Tension	15 meter
conductor		pole	150	"I" String/Suspension	12 meter
				Tension	
		Concrete Pole/Rail	100	Pin Insulator	9 meter
		Pole/H Pole/ Single Steel Pole	60	Pin Insulator	8 meter
Covered		Pole	100		6 meter

Standard conductor sizes should be adopted for 33 kV, 11 kV and LT lines to meet the expected load up to next 15 years' time period. ACSR, AAAC, HTLS conductors, covered conductor/ABC for overhead lines and XLPE cables for UG system may be adopted. Most power utilities use ACSR conductors on account of price considerations although AAAC conductors are lighter in

weight and have a longer life on account of higher resistance to corrosion. The characteristics of conductors/cables being used in distribution systems are detailed in respective chapters. As a guideline, some of suggested sizes of conductors/cables are indicated below.

Sizes of conductors/Cables						
System voltage	Suggested Conductor Type					
33kV	ACSR Wolf, Dog, Raccoon, Rabbit or equivalent AAAC, covered conductors, 3 core XLPE cables of sizes 95, 150, 185, 240, 300, 400 sq.mm. etc.					
11 kV	ACSR Dog, Raccoon, Rabbit, Weasel or equivalent AAAC. Equivalent Aerial Bunched Cables (ABC)/ covered conductors, 3-core XLPE cables of sizes 95, 120, 150, 185, 240, 300, 400 Sq.mm. etc.					
LT	ACSR, Raccoon, Rabbit, Weasel, Squirrel, Wasp, Ant or equivalent AAC/AAC or equivalent Aerial Bunched Cables (ABC)/covered conductor or 3 ½ core or 4-core XLPE / cables of 95, 120, 150, 185, 240, 300, 400 sq.mm. etc.					

In the choice of conductor size, the parameters to be considered are thermal limit of conductors to meet the expected loads, voltage regulation and economic loading of the lines along with related spare requirement. The choice of OH line or UG cable may be made based on the actual field conditions/ requirement of regulations, finances available etc. Preferably, the distribution system should be designed to provide alternate path in the system for increasing the reliability of the system at all levels.

Overhead lines are generally preferred for their ease of operation & maintenance, easy identification of faults, less time for rectification of faults, and much less initial cost as compared to underground cable system. The ABC cable/ covered conductor or UG cables may be laid in theft prone areas.

i) The UG cables in Distribution network are more preferred in urban areas/densely populated areas including tourist & religious places, reserve forest areas due to safety reasons in spite of higher cost. UG cables should also be used in disaster prone areas. However, UG cables take more time in case of locating & repairing of any fault in the cable. Hence, it is essential that the UG cabling system should be designed such as to provide the alternate path for feeding the loads through Ring Main units (RMUs) with the additional cable from nearby circuits.

- ii) To prevent accidental short circuit due to galloping of conductors in the case of overhead lines, vertical configuration of conductors for LT distribution lines shall preferably be adopted in open areas (rural parts) encountering with high wind velocities.
- iii) The maximum length of HT and LT lines shall be limited to achieve satisfactory voltage regulation to ensure quality of power supply.
- iv) The design and construction of overhead lines with AB cables shall be generally in accordance with REC Specifications 32 and IS 14255.
- v) The design and laying of underground cables shall be generally in accordance with IS: 1255.
- vi) Lines Supports shall conform to relevant IS. The line supports can be of steel, RCC, PCC/PSC. The RCC, PCC/PSC poles are preferred over the other two considering the cost and field condition.
- vii) The supports shall be poles or narrow based lattice towers with fully galvanized structure as per site requirement.
 - a) The poles shall be pre-cast concrete pole, pre-stressed cement concrete pole, rolled steel joist spun pole, steel tubular pole as required;
 - b) PCC and PSCC poles shall not be used at cut-points and as end poles;
 - c) In coastal areas, higher strength poles like spun poles shall be used.
- viii) Erection of poles shall be carried out in accordance with the provisions of relevant IS.
- ix) For locations involving long spans or higher clearances on account of crossing of power or communication lines or a railway line or Road ways specially designed poles/lattice towers or underground cable shall be used as per requirement.
- x) Double pole structure shall be used as per site conditions ensuring safe operation of lines.
- xi) The height of the pole above the ground level, length of pole below ground and working load shall be decided taking into consideration wind zone, terrain, topography, and the statutory clearances required.

3.10 Reliability Analysis:

1. The following reliability indices shall be computed by the Distribution Licensee in respect of his area of supply every month and the reports shall be furnished

to the Commission in accordance with Karnataka Electricity Regulatory Commission (Rights of Consumers Relating to Supply of Electricity, Standards of Performance (SoP) and allied matters) Regulations, 2022.

- a. System Average Interruption Duration Index (SAIDI): means the average duration of sustained interruptions per consumer occurring during the reporting period, determined by dividing the sum of all sustained consumer interruptions durations, in minutes, by the total number of consumers;
- b. System Average Interruption Frequency Index (SAIFI): means the average frequency of sustained interruptions per consumer occurring during the reporting period, determined by dividing the total number of all sustained consumer interruption by the total number of consumers;
- c. CAIDI: means the 'Customer Average Interruption Duration Index' which is the average time taken for supply to be restored to a customer when an unplanned interruption has occurred, calculated as the sum of the duration of each customer interruption (in minutes), divided by the total number of customer interruptions (SAIDI divided by SAIFI), unless, otherwise, stated CAIDI excludes momentary interruptions.

This index is the average duration of an interruption of supply for a Consumer, who experiences the interruptions of supply annually. This index can be calculated for a group of consumers of an area catered by a Sub-Station or a specified area as follows:

i) For the Transmission Licensee's transmission line failure:

Sum of the product of number of consumers affected from each feeder emanating from the Sub-Stations in the service area affected by the failure of the transmission line and the duration of interruption to each of them.

CAIDI =					

Total number of consumers in the service area

ii) For the Distribution Licensee's 11kV feeder failure: The licensee shall calculate the value as per the formula and methodology specified in Karnataka Electricity Regulatory Commission (Rights of Consumers Relating to Supply of Electricity, Standards of Performance (SoP) and allied matters) Regulations, 2022.

Re	Reliability Index (SAIFI, SAIDI & CAIDI) for Urban/Rural Areas						
Consumer Affected/Interrupted Basis			Load Affected/Interrupted Basis				
SAIFI	SAIDI minutes	CAIDI Minutes	CAIDI Minutes SAIFI SAIDI minutes CAIDI				
ΣNi*Ci/Ct	ΣΤi*Ci/Ct	SAIDI / SAIFI	ΣNi*Li/Ct	ΣΤi*Li/Ct	SAIDI / SAIFI		
V	/here						
Ct	Total Consu	Total Consumers (U/R) in the feeders in the Circle Area					
Li	Total connected Load (in KWs) (U/R) in the feeders in the Circle Area						
Ni	No of interruptions (>3 min/ 5 min/ 10 min)						
Ti	Duration of	Duration of interruption (>3 min/ 5 min/ 10 min)					
LI	Affected Load (KW) in the feeder						
Ci	No of Consumers in the Affected feeders						
SAIFI	System Ave	erage Interruption	Frequenc	cy Index			
SAIDI	System Ave	erage Interruption	Duration	Index			

The following factors, which affect reliability indices, shall be considered.

- a) Momentary incoming supply failures due to transient faults
- b) Momentary interruptions in 33 and 11 KV feeders due to transient faults
- c) Breakdown of LT feeders
- d) Prearranged shutdowns on lines and feeders
- e) Blowing out of distribution transformer fuses
- f) Individual fuse-off calls
- 2. The following data shall be collected and submitted to the Commission on quarterly basis:
 - a) Feeder wise data on the number and duration of interruptions.
 - b) Number and duration of interruptions caused on account of failure of power supply at the Substation due to failure of any equipment or failure of supply to the Substation itself.
 - c) Duration and number of interruptions due to defects / faults in the distribution transformer center including failure of transformer.
 - d) Duration and number of interruptions due to defects/faults in LT distribution system.
 - e) Total number of consumer complaints received and attended.

3.11 Standardization of Design of Distribution Transformers:

1. The Distribution transformers to be installed in the field should have standard rating as per relevant Indian Standards (IS-1180) and should follow other rules and regulations in force like Quality Control Order, Star rating criteria etc. The higher capacity Distribution Transformers (DTs) (i.e. larger than 250 kVA) may be used for concentrated loads or area with high load density and lower capacity DTs (250 kVA and less) may be used for rural areas based on the requirement. 33/0.415 kV distribution transformers of appropriate rating, may also be used based on techno-economic considerations and actual field conditions.

In order to ensure quality procurement along with higher energy efficiency requirements, some of the important points to be considered during procurement of Distribution transformers are highlighted below (as per CEA (Guidelines and Best practices for Operation and Maintenance of Distribution Transformers) March 2023.

- a) Distribution transformers are to be procured with Standard ratings as per IS. The maximum allowable losses at rated voltage and rated frequency permitted at 75°C for Distribution transformers can be chosen by the utility as per IS 1180 (as amended).
- b) The above losses are maximum allowable and there would not be any positive tolerance.
- c) As per the Electrical Transformers (Quality Control) Order, 2015 issued by Ministry of Heavy Industries and Public Enterprises, no person shall by himself or through any person on his behalf manufacture or store for sale, sell or distribute any electrical Transformers specified in the Schedule, which do not conform to the specified standards (i.e. IS 1180 Part-1, 2014) and do not bear Standard Mark of the Bureau of Indian Standards, on obtaining certification marks license. Accordingly, ISI marking on the Distribution transformer is mandatory and the product should be manufactured in compliance with IS 1180 Part-1: (2014).
- d) Additionally, Star rating by BEE is also mandatory on Distribution transformers.

2. Operations and Maintenance of DTs:

Regular inspections and periodic maintenance of Distribution transformers help to identify impending issues at the earlier stages and utilities may take necessary actions to prevent future problems. Distribution transformers must be regularly checked as an O&M practice especially for overloading, damaged connectors, worn-out power cords, burning smell, loose plugs or misaligned parts to minimize system failures and fire hazards. It is paramount that the maintenance crew pays attention to applicable Standards (Like ISO 9001-2015/ISO-12000) to maintain a safe working environment for both the equipment and the maintenance staff.

The proper exercise of the maintenance schedule shall be adopted by the Utility as it will lead to extension of life of Distribution Transformers, reduction in failure rate, enhanced reliability of power supply system and consumer satisfaction thereby an appreciable increase in revenue of the utilities.

3.12 Quality Assurance Plan (QAP):

1. The Utility shall be solely responsible and accountable for assuring quality in the project works. Utility shall formulate a detailed comprehensive Quality Assurance (QA) plan for the works to be carried out with an objective to create quality infrastructure works. The QAP shall be an integral part of the contract agreement with the contractor/equipment's supplier and erection agency as the case may be, in case of turnkey/partial turnkey/ or departmental execution of works. The Utility has to ensure that the quality of materials/equipment supplied at site and execution of works carried out at field is in accordance with Quality Assurance Plan /Guaranteed Technical Particulars (GTP) and Technical Specifications Approved Drawings/Data Sheets.

The Utility through Contractor/PMA appointed by the Utility shall strictly ensure Quality Assurance checks during the day to day course of project execution and ensure the quality of material and equipment as per Quality

Plan/ Approved Drawings/Technical Specifications/Datasheet GTP/applicable national & international standards.

The utility should ensure that Quality Assurance Plan should be prepared keeping in view the following:

- a) All equipment/materials shall comply with the relevant Indian Standards/International Standards if IS not available.
- b) All type tests, Routine tests & Acceptance tests shall be as per relevant IS.
- c) Pre-Dispatch Inspection (except for Power Transformers), may be excluded from the scope of quality monitoring and more emphasis should be laid upon field works quality inspections.
- d) Samples of materials / equipment supplied by the contractors/manufacturers may be picked up randomly from Stores / Field from a lot for testing in NABL accredited Labs before accepting the lot.
- e) Sample sizing may be based on risk profiling of material/equipment supplied by vendors/contractors. Sample Sizes may be of Two (2) types.
 - i. 1st sample size may be same for all vendors and in case of failure of 1st samples,
 - ii. 2nd sample size may be larger than 1st sample size for such vendors/contractors.
- f) Field works quality inspections may be given more emphasis. The field quality inspection be carried out in 3 (three) stages as:
 - i. On completion of 40% 50% works,
 - ii. Completion of 90%-100% works and
 - iii. Final inspection.
- g) All coordination activities including reporting etc., should be through an IT based solution rather than deploying manpower for this purpose.
- h) The cost of quality monitoring may be optimized including the manpower cost for coordination activities.

The Utility should prepare a separate Field Quality Plan (FQP) for civil and electrical works supported with drawings which shall be approved by their

competent authority and may be uploaded at web portal. The contractor should adhere to Field Quality Plan (FQP) while carrying out physical works. The Utility should also prepare a comprehensive FQP for testing & commissioning of Grid Substations, Distribution transformer Substations, 33 KV, 11 KV line, LT line etc. The system should be energized only after performing all tests as described in the FQP and after clearance from Electrical Inspector. Proper records in this regard, including tests on earth resistance, insulation resistance of 11 kV line, Distribution Transformer etc., shall be maintained, jointly signed by Utility and contractor. All the quality assurance checks conducted in the field should be documented properly and signed by the quality Engineer of the contractor & utility and shall be kept for future reference. These documents shall be maintained by the Utility in proper order and shall be made available at site for verification during inspection.

2. Vendor Approval:

All the materials to be procured for project works shall be purchased from the authorized vendors approved by the Quality Assurance Department of Utility. Approved vendors list should be uploaded periodically on the utility web portal. New vendors/suppliers may be approved by the utility, provided capability of manufacturer's is assessed suitably by visiting the factory premises and checking the testing facility available before accepting it as approved vendor.

3. Type Test & Routine Tests:

All the Type Tests & Routine Tests shall be carried out as per Indian Standards. The validity of Type Tests of major equipment /materials shall be as below:

SI. No.	Name of Equipment	Validity Period (in years)
1	Power Transformer	5
2	Distribution Transformer	5
3	Circuit Breaker	5
4	Isolator	5
5	Lightning Arrester	5
6	Instrument Transformers (CT/PT)	5
7	LV and MV Switchgear	5
8	GIS & Hybrid Switchgear	5
9	Cables and associated joints (ABC/Underground)	5
10	Capacitor/ Capacitor Bank	5

1.1	Energy Meters, Electronic Meter	5
' '	Smart Meter	3
12	Battery and Battery Charger	5
13	Conductors (Bare/Covered)	5
14	Insulators (Porcelain/ Glass/ Composite)	5

4. Factory/Site Acceptance Test:

The sample of following important materials should be picked up randomly from the lot received at site and tested at third party NABL accredited laboratory before accepting the lot.

- 1. Distribution Transformer
- 2. Ring Main Unit
- 3. CT/PT Unit (Outdoor) & Metering Cubicle (Indoor)
- 4. Circuit Breaker
- 5. Insulators
- 6. Cables
- 7. Conductor
- 8. Control & Relay Panel
- 9. Overhead Conductor/ ABC
- 10. Energy Meter
- 11. Poles
- 12. Insulators
- 13. Capacitor
- 14. Distribution Box.

The Utility may add the important material in the above list. The testing of site acceptance tests shall be as per approved Drawings/Technical Specifications/Data sheet/GTP/QA Plan and applicable national & international standard.

5. **Pre-Commissioning Tests:**

On completion of erection of the equipment and before charging, each item of the equipment shall be thoroughly cleaned and then inspected jointly by the Utility and the contractor for correctness and completeness of installation and acceptability for charging, leading to initial precommissioning tests at Site. The list of pre-commissioning tests to be performed should be included in the Contractor's quality assurance programme.

6. Commissioning Tests:

The contractor will use all required instrumentation and control equipment during commissioning tests and such measuring equipment and devices should be duly calibrated as far as practicable. The tests will be conducted at the specified load points and as near the specified cycle condition as practicable. The contractor will apply proper corrections in calculation, to take into account conditions, which do not correspond to the specified conditions any special equipment, tools and tackles required for the successful completion of the commissioning tests shall also be provided by the contractor.

The specific tests to be conducted on equipment should be included in the technical specifications. However, where the pre-commissioning tests have not been specified specifically they shall be as per relevant IS Code of Practice or as mutually agreed. The Contractor shall also be responsible for ensuring compliance of all statutory requirements for commissioning and successful operation of the system.

7. Quality Assurance of Completed Works:

The sample size for Inspection/verification of works completed (the indicative sample size is applicable only for fully completed works) may be as below:

- i) 0% of HT feeders (in terms of sanctioned length of project i.e., Sub-Division, covering at least 10% of the total sanctioned number of feeders) for each voltage level and/configuration (OH/AB/UG/HVDS), including Bay extensions as applicable;
- ii) 5% of HT feeder reconductoring /replacement /renovation work (in terms of sanctioned length of project i.e., Sub-Division, covering at least 5% of the total sanctioned number of feeders) for each voltage level and/configuration (OH/AB/UG);
- 5% of New Distribution Transformer Substations (11/0.415 kV) for each KVA level:

- iv) 5% of Capacity augmentation of Distribution Transformer Substations (11/0.415 kV) for each KVA level;
- v) 5% of LT lines (in terms of sanctioned length of project i.e., Sub-division) for each configuration (OH/AB/UG);
- vi) 5% of LT Lines reconductoring/ replacement/renovation work (in terms of sanctioned length of project) for each configuration (OH/AB/UG);
- vii) 5% of any other works sanctioned in the DPR with sanction value more than 5% of the sanctioned cost:
- viii) SCADA/DMS/AMI System infrastructure-primarily at system field level for high level functional checks;
- ix) Works completed under Smart metering component 1% or 1,000 Meters of consumer Smart meters implemented under the scheme, whichever is less, including the LT auxiliary works- 2% of DT/Feeder/ Boundary meters implemented under the scheme, including the auxiliary works.

In case any discrepancy/shortcoming in quality in the completed works is found, based on the report of the Third Party Audit during inspection, then the same should be rectified by the Contractor within the stipulated time limit.

8. Quality Assurance Programme of the Bidder/Contractor:

To ensure that the equipment and services under the scope of the tender whether manufactured or performed within the Contractor's Works or at his Sub-contractor's premises or at the Utility site or at any other place of work, are in accordance with the specifications/tender conditions. The Contractor shall adopt a suitable Quality Assurance Programme. Such programme shall be broadly outlined by the contractor and finalized after discussions with the utility before the award of the contract. The detailed programme shall be submitted by the contractor after the award of contract and acceptance by the Utility.

A Quality Assurance Programme of the contractor shall generally cover the following:

a) Organization structure of the Contractor for management and

implementation of the proposed quality assurance program.

- b) Documentation control system.
- c) Qualification data for bidder's key personnel.
- d) The procedure for purchases of material parts /components and selection of Contractor's services including vendor analysis.
- e) System for shop manufacturing and site erection controls including process controls and fabrication and assembly control.
- f) Control of non-confirming items and system for corrective actions.
- g) Test procedure for field activities.
- h) Control of calibration and testing of measuring instruments and field activities.
- i) System for indication and appraisal of field inspection status.
- j) System for quality audits.
- k) System for authorizing release of manufactured product.
- 1) System for maintenance of records.
- m) System for handling storage and delivery.
- n) A manufacturing quality plan detailing out the specific quality control
 measures and procedures adopted for controlling the quality
 characteristics relevant to each item equipment furnished and/or
 services rendered.
- o) A Field Quality Plan covering field activities.

The Utility or his duly authorized representative like PMA reserves the right to carry out quality audit and quality surveillance of the system and procedure of the Contractor/his vendor's quality management and control activities.

The Contractor would be required to submit all the Quality Assurance documents as stipulated in the Quality Plan. The contractor shall supply the materials/equipment of type & design which has already been Type Tested. Contractor/Manufacturer shall provide copy of such tests at the time of bidding and also at site in support of type-tested materials supplied under the contract.

The Utility should share their Quality Assurance Plan /Field Quality Plan with the Contractor. The schedule for submission/approval of document as per QAP/FQP shall be finalized before placement of the contract, keeping in view

the overall project schedule. The Contractor shall be responsible for any time delay, misinterpretation, error and conflict during design, manufacturing, testing and erection of the works resulting from non-compliance with the requirements of the approved specification.

3.13 Standardization of Sub-Station Layouts:

The Distribution Licensee shall develop standard layouts for the Sub-Stations of 33/11 kV and 11kV/400 volts duly complying with the requirements as specified in the Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022.

3.14 11 KV / 400 V – 3 Phase Distribution Transformer Centers:

- i) The Distribution transformers up to and including 250 KVA capacity other than those meant for indoor application shall normally be pole mounted.
- ii) The layout of distribution transformer centers shall generally conform to the relevant REC Construction Standards.
- iii) The distribution transformers shall be located close to the electrical load center of the load fed by it.
- iv) The distribution transformers above 250 KVA capacity shall be plinth mounted.
- v) MCCBs of suitable rating shall be provided on the secondary side of the transformers above 100 KVA. Fuse units of suitable rating shall be provided for transformers up to and including 100 KVA. HRC fuses are to be provided wherever the short circuit levels are high.
- vi) Wherever the 400 / 230 V distribution lines pass through thickly populated residential areas and roads with heavy traffic, Earth Leakage Circuit Breakers of appropriate rating shall be provided to the secondary circuits of the distribution transformers.
- vii) Suitable measures shall be taken sufficiently in advance, to augment the capacity of the feeders and installation of additional transformer centers in the event the specified voltage regulation limits are exceeded.

3.15 Reactive Power Compensation:

The distribution licensees shall provide adequate reactive compensation to compensate the inductive reactive power requirement in their system so that they do not depend upon the grid for reactive power support. The power factor of the distribution system and bulk consumer shall not be less than 0.95. In case of low/high power factor, adequate capacity of reactive power compensator shall be installed for pf correction.

Shunt capacitors of un-switched / switched type shall be installed at the appropriate places in the distribution system for power factor improvement, maintaining satisfactory voltage profile and reduction of sub-transmission and distribution Losses. The optimization for the size and location of the capacitor installations shall be achieved by conducting studies using Distribution Analysis Software. Suitable precautionary measures, such as automatic switching off of capacitor banks etc., shall be adopted to avoid over voltages during light load periods.

3.16 Service Mains:

The service mains to consumers shall be laid in accordance with the CEA (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2022, and the CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 and amendments from time to time.

3.17 Metering Arrangement:

a) The metering for 230 V single-phase supply shall be provided on a suitable board, located in such a place protected from sun and rain and shall be in a convenient position for taking readings. The meter shall be housed in a suitable meter housing box with provision to provide additional seals. For 400 volts three phase supply, the meters and associated metering equipment including connections shall be enclosed in a suitable meter housing box. The meter housing box shall be of sufficient strength and design with locking and sealing and shall have adequate provision for heat dissipation with the required electrical clearances. The design shall permit readings to be taken without access to the meter or its connections.

- b) For HT consumers, the meters, maximum demand indicators and secondary connections, shall be housed in a separate compartment and other secondary apparatus such as instrument transformers and connections required shall be housed in a separate metering compartment, which shall be locked and sealed to prevent tampering.
- c) The HT metering cubicle shall be suitable for cable entry on both sides or at least on one side preferably on power supply incoming side. No fuses are permitted in the secondary circuits of the instrument transformers i.e., both CTs and PTs. The metering cubicle shall be painted with suitable epoxy paint for installation in coastal areas having saline weather conditions and other areas experiencing heavy rainfall / pollution. The instrument transformers shall be of fixed ratio and shall not have any taps. The primary current rating of the current transformers shall match with the normal full load current and the saturation point of the core shall be higher than the maximum current that may occur due to simultaneous full load operation of all the connected equipment.
- d) For EHT consumers, the secondary terminals of the instrument transformers shall be locked and sealed and the secondary wires brought out in a suitable GI conduit pipe up to the metering panel. There shall be no screwed joints in the conduit pipes and the joints, if any, shall be welded. The energy meters shall be, as close to the instrument transformers as possible and in no case shall exceed ten (10) metres in length. The metering panel shall be housed in a weather proof enclosure with a lock and sealing arrangement.
- e) Provision for remote reading of meters for LT, HT and EHT installations shall be provided wherever considered necessary by the licensee.

3.18 Safety Standards for Distribution System:

The distribution system shall conform to the following Regulations as specified by the Central Electricity Authority:

 The Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2022. ii) The Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations, 2011.

The distribution system shall be planned and maintained so as to fulfill the following security standards except under Force Majeure conditions beyond the reasonable control of the Distribution Licensee.

- a) The feeders, feeding important loads such as Hospitals, water supply, Crematoria, Airports, Railway Stations, and the like shall be planned to have a selective switching system, so that selective switching can be operated to transfer the load on to an alternate healthy feeder. Appropriate safety precautions shall invariably be taken in this regard. In case of failure of the feeder, these switches shall be operated immediately either manually or automatically depending on the importance of the load.
- b) The feeders connected to important industries/Institutions which are very sensitive to interruption of even a short duration, shall be planned to have automatic switchover to an alternate healthy feeder in case of failure of supply.
- c) Loading in any current carrying component of the distribution system (e.g. conductors, joints, transformers, switchgear, cables and other apparatus) shall not exceed 75% of their respective thermal limit in case of radial feeding and 60% of their respective thermal limit in ring main feeding system.
- d) The rupturing capacity of the switchgear employed in the system shall have at least 25% more capacity than the short circuit level computed even considering the anticipated future development of the system.
- e) Provision shall be made to every feeder, either primary or secondary, to manually switch over to the immediately available feeder of the same voltage class available in the vicinity. Provision shall be made

- in the design itself for any feeder to share at least 50% of the loads of the adjacent feeder during emergencies.
- f) In case of single contingency failure of any Sub-Station equipment controlling outgoing 11KV feeders, the load interrupted shall not generally exceed 20% of the total demand on the substation.
- g) There shall be at least two numbers of transformers of similar rating in every 33/11kV Sub-Station.

In every Sub-Station of capacity 10 MVA and above there shall be a provision for obtaining alternate 33 KV supply to the Sub-Station in case of a failure in the incoming supply.

Chapter- 4: Distribution Operation and Maintenance Code

4.1 Scope:

- a) This Code contains the procedures and practices to be followed for a safe and efficient operation of the distribution system by the Distribution Licensee and by the Users of the distribution system of their electrical plant/equipment and lines which are connected to the Distribution Licensee's distribution system. This shall also be applicable to any electrical interface with other Distribution Licensees.
- b) The following aspects of operation are covered in this Section:
 - i. Demand Estimation
 - ii. Outage Planning
 - iii. Contingency Planning,
 - iv. Demand Management and Load Shedding
 - v. Interface with any Generating Plants
 - vi. Communication
 - vii. Monitoring and control of Voltage, Frequency and Power Factor
 - viii. Safety Co-ordination
 - ix. Major Incident and Accident reporting
 - x. Maintenance and Testing
 - xi. Tools and Spares
 - xii. Training
 - xiii. Interface with adjoining Distribution Licensees

4.2 Establishment of Distribution Control Centres (DCC):

Each Distribution Licensee shall establish DCC in his area of supply to help in focused monitoring and to enable collection of data on the quantum of power and energy flow at the interface points and to interact with SLDC. This is essential to enable the State Load Dispatch Centre to coordinate with the ALDC directly in order to streamline the procedures for efficient operation of the distribution system.

4.3 Functions of DCC:

- a) To carry out the directions issued by the State Load Dispatch Centre in the matter of system operation and demand monitoring and control in his area of supply.
- b) For identifying blocks of load to facilitate shedding of load in rotation as may be necessary for achieving control of frequency for load generation balance. The 11kV feeders are to be grouped in such a way to avoid repeated interruptions to same set of consumers.
- c) Monitoring and accounting the drawal of energy by the Distribution Licensee in his area of supply.
- d) In order to carry out the above functions, the DCC shall have the required communication facilities with all the interface points and the State Load Dispatch Centre, Management and other Users.

4.4 Demand Estimation:

The DCC shall estimate the hourly and daily demands at each point of interconnection on a day ahead basis based on the data of previous day and the changes that are expected due to climate change and other factors and furnish the same to SLDC.

4.5 Outage Planning:

a) The Distribution Licensee shall furnish its proposed outage programs to the DCC for onward transmission to the SLDC and the Transmission Licensee on a month-ahead basis.

- b) The outage program shall indicate duration and extent of load affected. It should contain identification of lines and equipment of the Distribution System proposed to be taken out of service, date of start of outage, duration of outage, quantum of load affected.
- c) The outage plan proposed by the Licensee shall be in coordination with the Transmission outage plan.
- d) The above procedure shall not apply under emergency situation requiring immediate isolation of any part of the distribution system because of storm, danger to human life, danger to equipment etc., under the following circumstances:

Disconnection to be effected on any User installation due to violation of Agreement. In this case the SLDC shall be informed wherever the load to the extent of 5 MW or more is affected.

4.6 Contingency Planning:

In case of blackout of any area of the distribution system the Licensee shall restore the loads as per the instructions of SLDC.

A contingency situation may arise in the event of a total or partial blackout in the transmission system. A contingency may also arise on a part of the distribution system due to local breakdown in the distribution system itself. It may also arise due to a breakdown in the apparatus of the Transmission Licensee at the point of interconnection.

4.7 Distribution System Failure:

- a) Interruptions of power supply in any part of the distribution system lasting for the period as specified in the KERC (Rights of Consumers Relating to Supply of Electricity, Standards of Performance and allied matters Regulations, 2022 and its amendments from time to time, due to breakdown in any part of the distribution system may be termed as distribution system failure.
- b) The Distribution Licensee shall evolve a restoration process for such a distribution system failure.

4.8 Failure of the Apparatus of the Transmission Licensee:

- a) The Distribution Licensee shall immediately contact the authorized person at the Sub-Station of the Transmission Licensee and assess the probable period of restoration and the probable restriction of load drawal from the affected Substation.
- b) The Distribution Licensee shall carry out the Demand Management Plan in accordance with SLDC instructions.

4.9 Demand Management and Load Shedding:

- a) DCC shall resort to temporary load shedding for maintaining the load generation balance as instructed by the SLDC. This may also be necessary due to loss of any circuit or equipment or any other operational contingency.
- b) The DCC shall estimate Loads that may be shed in discrete blocks at each Interconnection Point in consultation with the Users supplied through independent circuits as required and communicate the same to the SLDC. Such Users shall cooperate with the Licensee in this regard. The DCC shall work out the sequence of load shedding operations and the detailed procedure shall be furnished to the SLDC and to the person in-charge of Sub-Stations concerned where such load shedding has to be carried out. In case of automatic load shedding through under-frequency relays, the circuits and the amount of load to be interrupted with corresponding relay settings shall be intimated to the SLDC and persons in charge of the Sub-Stations of the Distribution Licensee as necessary.
- c) If the duration of load shedding to any part of the distribution system is likely to exceed 60 minutes, the affected consumers with Contract Demand of 1 MW & above, the essential services such as Hospitals, Public Water Works and other consumers of the area shall be intimated immediately through SMS.

4.10 Interface with Small Generating Units including CGPs:

Any Generating Unit which is in synchronization with the distribution system shall abide by the provisions of this Code.

4.11 Metering and Protection:

- a) **Metering: -** All Interface meters, consumer meters and energy accounting and audit meters shall conform to the provisions of the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended from time to time.
- b) **Protection:** Protection system and its co-ordination shall conform to the provisions of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007 as applicable to the distribution system and bulk consumers, as amended from time to time.

4.12 Communication:

Reliable communication links shall be established by the Licensee for exchange of data, information and operating instructions with SLDC, Transmission Licensee, Generating Companies and Users shall be in line with Central Electricity Authority (Technical Standards for Communication System in Power System Operation) Regulations, 2020 and amendments issued from time to time and CEA (Cyber Security in Power Sector) Guidelines, 2021 or any other Regulations in the matter to be framed.

4.13 Voltage and Power Factor Monitoring and Control:

- a) The Distribution Licensee shall take such measures as are necessary to maintain the Voltage and Power Factor at permissible limits within his area of operation.
- b) Power Factor at 33/11 kV substation should be maintained close to unity under peak loading conditions for minimum reactive drawal from Transmission grid. Minimum PF should be maintained at 0.95 PF. The adequate capacity of capacitors (fixed/ auto-switched type) should be available at the Sub-station for maintaining the PF close to unity.

The power factor of the system would preferably be not less than 0.95 at 11 kV and above level. In case of low/high power factor, adequate capacity of reactive power compensator shall be installed for pf correction.

c) Users having Loads with high harmonic content, low Power Factor and fluctuations shall install appropriate correction equipment.

4.14 Safety Co-Ordination:

- a) The Distribution Licensee and the Users with the Licensee shall designate suitable persons to be responsible for safety co-ordination. These suitable persons shall be referred to as "Safety Officers".
- b) The Distribution Licensee and the Users shall prepare Safety Manuals incorporating all the safety precautions to be taken for each component of the distribution system based on "the CEA Measures Relating to Safety and Electric Supply Regulations, 2023" and the CEA (Safety Requirements for construction, operation and maintenance of Electrical plants and Electric lines) Regulations, 2011. All the safety rules and precautions shall be observed when work is to be carried out on any Line or Apparatus, Switchgear or Circuits in any part of the distribution system or in any part of the User system. The Safety Manuals thus prepared shall be issued to all the control persons and Users for compliance.
- c) The Distribution Licensee shall take all precautions and maintain the distribution system placed in a public place in such a way that it should not endanger the lives and property by following proper Construction and Maintenance Standards and as per "Measures Relating to Safety and Electric Supply Regulations, 2023" issued by the CEA from time to time.
- d) The provisions of the Grid Code shall be followed at interconnection points in co-ordination with the Transmission Licensee.
- e) Wherever any consumer has installed an emergency power supply system, either an electronic system with storage batteries or generators, the arrangement shall be such that the same cannot be operated without clearly isolating such system from the supply mains by using four pole isolating devise (Three Phases & neutral). The possibility of a feedback from these devices to the distribution system from any of the conductors, including the neutral conductor shall be clearly ruled out.
- f) The appropriate officers in charge of that area at the electrical interface

shall issue written permission to his counterpart for carrying out the work on any Apparatus, Switchgear or Lines beyond the electrical interface. Such permissions shall be termed as "Line Clear Permits" (LCP). The format of LCP shall be standardized by the Licensee and shall be used by all the concerned.

g) The Distribution Licensee shall frame checklist of operations to be carried out and the procedure for safety coordination for each electrical interface, before issue and return of LCPs. such procedure and checklists shall be issued to all the concerned by the Licensee for implementation.

4.15 Maintenance and Testing:

- 1. The Distribution Licensee shall prepare Construction Standards and maintenance schedules for complete distribution system components/equipment Viz., 33 kV lines, 11 kV Primary distribution, secondary L.T distribution lines ,DTCs and 33/11 kV Sub-Stations to comply with provisions as required in the CEA "Technical Standards for Construction of Electrical Plants and Electric Lines Regulations, 2022, and Measures Relating to Safety and Electric Supply Regulations, 2023" and "Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Line Regulations, 2011 and amendments thereof"
- 2. In order to provide reliable power supply to all electricity consumers, the following best practices shall be adopted:
 - a) Quality Action Plan, quality control including Type tests, tests on stage inspections (raw materials), routine and acceptance tests while procuring all materials and equipment.
 - b) Construction and quality control while execution of distribution system strengthening & system expansion works (33 kV Lines and Substations, primary and secondary distribution system including DTCs).
 - c) Scheduled system maintenance works and condition monitoring of equipment.

3. Asset Maintenance:

- a) The asset records are very important for condition monitoring of assets over the years and development of refurbishment and retirement of assets. The attributable data which leads to power supply breakdowns and un-safe to lives and property shall be collected at least once in a year by walk over survey from each and every component of the distribution system.
- b) The attributable data pertaining to line supports, conductors, safety clearances, insulators, earthing of non-conductive parts of the system, DTCs, U.G. Cables, RMUs, LT Feeder Pillar Boxes, Street light control boxes and service mains of consumer installations shall be collected during the survey and all the technical deficiencies shall be rectified by arranging shut downs to make the system more efficient and safe.

The DTC should be periodically checked and maintenance carried out every year including testing of quality of oil, checking of condition of fuses, and disconnection switches, as per the schedules published by Distribution licensee, if any. Maintenance of Switchgear, Protective Relays and isolators shall be carried out as recommended by the manufacturers and the relevant code of practices issued by the Bureau of Indian Standards and CBIP. These shall be carried out at the prescribed intervals and the test results shall be recorded in the maintenance registers.

- 4. The Distribution Licensee shall maintain well trained maintenance personnel and all the required tools in good condition, and conduct the maintenance work to ensure distribution system reliability.
- 5. The Users shall maintain their Apparatus and Power Lines at all times conforming to:
 - a) The Central Electricity Authority (Measures Relating to Safety and Electricity Supply) Regulations, 2023.

b) The Central Electricity Authority (Safety Requirements for Construction, Operation and Maintenance of Electrical Plants and Electric Lines) Regulations, 2011.

4.16 Tools and Spares:

- The Distribution Licensee shall ensure availability of proper tools and tackles
 at all work places for carrying out the maintenance works. The tools and
 tackles shall be checked from time to time and their serviceability shall be
 ensured.
- 2. The Distribution Licensee shall maintain an inventory of spares required for maintenance and replacement purposes at suitable locations according to a clear policy to be laid down by the Licensee.

4.17 Training:

The Distribution Licensee shall make appropriate arrangements for training of his workmen and supervisory staff, for imparting up-to-date techniques of distribution system design, construction, operation and maintenance. Distribution Licensee shall frame a suitable syllabus for this purpose.

4.18 Distribution System Construction, Operation and Maintenance Standard:

1. General:

This standard is for the construction, operation and maintenance of the Licensee's distribution system to ensure safety, reliability and efficiency with maximum security.

2. Construction Practice:

- a) The construction of the distribution lines shall be carried out strictly as per the CEA (Technical Standards for Electrical Plants and Electric Lines) Regulations, 2022, CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 and amendments from time to time.
- b) The following Standards shall also be complied with:
 - IS 7321 Code of Practice for selection, handling and erection of concrete poles for overhead Power and Telecommunication Lines.

- ii) IS 5613 Code of Practice for design, installation and maintenance of overhead power lines Part 1 Lines up to and including 11 KV Section 2 Installation and maintenance.
- iii) IS 5613 Code of Practice for design, installation and maintenance of overhead Power and Telecommunication lines Part 2, Lines above 11 KV and up to and including 220 KV Section 2, Installation and Maintenance.
- iv) IS 1255 Code of Practice for installation and maintenance of Power Cables (up to and including 33 KV).
- v) IS 14255 Aerial Bunched Cables for working voltages up to and including 1100 Volts.
- vi) REC Specification no 32 Aerial Bunched Cables for working voltage up to and including 1100 Volts.
- vii) IS-3043 Code of Practice for earthing.
- 3. As mentioned in item (iii) above, the installation practices for 33 KV lines shall be similar to that of 11 KV lines.
- 4. Best practices for the construction of the overhead distribution lines:
 - a) The line supports to be properly erected by burying at least 1/5th the height of the support. The verticality of poles shall be maintained within reasonable limits of tolerance by concreting of foundation from the bottom up to 150 mm above the planting depth as per soil conditions. These shall be suitably designed for the particular soil condition and in any case shall not be less than 450 mm x 450 mm with a mix of ratio 1:3:6 commencing from the foot of the pole and extending up to 150 mm above the planting depth. Proper back-filling to be made and consolidated to prevent leaning of the supports around the concrete in the pit dug for erection of pole.
 - b) Span lengths to be maintained within the designed values.
 - c) Guys & stud poles to be provided at appropriate places. Storm guys to be provided wherever required for lengthy lines. The Guy shall be provided at 45 to 60 degrees to the ground or should not be less than

- 30° between pole and guy/stay wire to make them more effective. Break insulators to be provided to the guys at a minimum height of 3.0 meters vertically above ground level.
- d) The proper design tension within maximum and minimum values of each conductor to be maintained while stringing. Minimum ground clearances, vertical and horizontal clearances to the structures to be maintained as per the CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023. Suitable type jointing sleeves to be provided for joining the conductors using twisting wrenches, instead of just twisting the two conductors. Similar to transmission lines, the wedge type / P.G clamps to be provided for all jump connections in the distribution lines to prevent energy loss in loose jump connections, conductor snapping, etc. In order to prevent damage to the conductors, proper binding of conductors with pin insulators using aluminium tape is to be adopted.
- e) The earthed guarding to be provided at all the crossings of roads/street for power lines and telephone lines, as per CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023.
- f) The main leads are to be properly taken to aerial fuse boards at the poles from overhead LT lines and the service mains to be connected to aerial fuse boards only. The overhead service mains to be taken in pipes or UG cable service mains to be taken right inside the meter board to prevent the consumer to have access to service mains before energy meter.
- For LT lines, the conductors may be of horizontal configuration or vertical configuration depending upon the field conditions ensuring the various clearances as specified in the CEA (Measures Relating to the Safety and Electric Supply) Regulations, 2023.
- 6. The conductors of 11 KV and 33 KV single circuit lines shall be arranged in delta formation generally by placing the top conductor on top of the pole on an insulator with a bracket clamp and placing the bottom conductors on insulators mounted on a suitable cross arm.

- 7. Suitable earth guard stirrups are to be provided on each pole of 11kV line when the line runs along the street and cradle guards are to be provided when the line runs across the street. The earth guard shall be properly grounded so that, in the event of a phase conductor coming in contact with it will enable the operation of protection device and render the line harmless.
- 8. Correct capacity fuses shall be provided and maintained in good condition at all distribution transformer centers as per the following table.

TABLE -1
Tinned Copper Fuse Wire Sizes for Pole Mounted Transformers

Capacity of			Current Rating	LT side protection
Transformer	11 KV side	SWG	LT Side	
25 KVA	1.31 amps	38	36 amps	MCCBs with earth leakage
63 KVA	3.31 amps	35	91 amps	protection
100 KVA	5.25 amps	33	144 amps	
250 KVA	13.13 amps	23	360 amps	MCCBs with earth leakage
300 KVA	15.75 amps	23	433 amps	protection
500 KVA	26.24 amps	20	722 amps	

- 9. Sufficient quantity of spares such as fuses, insulators, conductors, connectors, joint kits, PG / wedge type clamps and circuit breakers for quick replacement and restoration of supply shall be made available with all the O & M unit offices.
- 10. Earthing shall be carried out in accordance with IS 3043 Code of Practice for Earthing. The earth connection shall be checked periodically and maintained properly.
- 11. Every transformer center shall be provided with earthing for transformer neutral, Lightning Arrestor, transformer body and other metal parts as per the "IS 3043 Code of Practice for Earthing". The following table specifies the minimum size of earth wires to be used for earthing of the neutral point of the Distribution transformers:

TABLE 2

Transformer Rating	Insulated PVC single core stranded aluminium conductor
50 KVA and	16 sq.mm.
below	
75 KVA	25 sq.mm.
100 KVA	35 sq.mm.
150 KVA	70 sq.mm
200 KVA	95 sq.mm.
250 KVA	150 sq.mm.
300 KVA	225 sq.mm.
500 KVA	300 sq.mm.

12. The following table specifies the minimum size of earth lead to be used for equipment earthing, such as transformers, motors, generators, switchgear etc.

TABLE 3

Rating of 400 Volts, 3 phase 50 Hz equipment in KVA	Size of PVC insulated Aluminium earthing conductor
Up to 5	6 sq.mm.
6 to 15	16 sq.mm.
16 to 50	16 sq.mm.
51 to 75	25 sq.mm.
76 to 100	35 sq.mm.
101 to 125	50 sq.mm.
126 to 150	70 sq.mm.
151 to 200	95 sq.mm.
201 and above	185 sq.mm.

- 13. The voltage gradient at the earth electrode at the transformer center may attain sufficiently high value during heavy flow of ground currents and become dangerous to cattle and human life. To eliminate the possibility of danger, the top of the earth electrode shall be buried below earth surface and the connecting lead should be insulated. The top of the earth electrode shall be at least 300 mm below the surface of the soil as per clause 11.2 of IS 3043.
- 14. The safety clearances of the overhead lines for HT/LT lines are as follows:

TABLE 4

SI. No.	Particulars	For LT Lines (Mtr)	For 11KV Lines (Mtr)	For 33KV Lines (Mtr)
a)	Clearance above the ground of any conductor of an overhead line, including service line across any street.	5.8	6.5	6.5
b)	Clearance above the ground of any conductor of an overhead line, including service line along any street.	5.5	5.8	5.8
c)	Clearance above the ground of any conductor of an overhead line, including service line erected elsewhere .	4.6	4.6	5.2
d)	Vertical clearance of overhead conductor above or adjacent to or terminates on any building, minimum clearances from any accessible point.	2.5*	3.7*	3.7*
e)	Horizontal clearance between the nearest conductor and nearest part of the building	1.2*	1.2*	2.0*

- 15. Earth electrodes, other than those used for earthing of the fence itself, shall not be installed in the proximity of the metal fence, to avoid the possibility of the fence becoming live and thus rendering it dangerous.
- 16. The street lighting posts with underground cables require a great deal of attention due to the fact that many times these cables are connected at lower levels to the insulated wires coming from street lights. A fuse box for the phase wire shall be fitted and properly maintained at these connections. The fuse box shall be provided with a hinged door, which shall be kept closed and locked from access to public and shall be periodically inspected and maintained. These fuse boxes shall be provided at a minimum height of 2.5 meters from ground level and to be perfectly earthed.
- 17. The live terminals of distribution transformers shall be at a height not less than 3.0 meters from ground level. Danger boards and Anti-climbing devices shall be invariably provided for all distribution transformer centers.
- 18. Suitable danger boards and anti-climbing devices shall be provided on the poles near the locations such as school premises, market places, in the vicinity of hamlets, villages, towns, cities etc.

- 19. The maximum span along any street in towns and cities shall not be more than 40 meters. In road crossings, the poles shall be installed on either side of the road and suitable guarding shall be provided. Wherever guarding cannot be provided due to practical reasons, aerial bunched cables shall be used for the road crossings.
- 20. The minimum clearances from any conductor of an overhead line from ground and buildings at different places shall be maintained as per the CEA (Measures Relating to Safety and Electric Supply) Regulations, 2023 and amendments from time to time as indicted in Table 4.
- 21. No joints shall be permitted on a bare conductors or wires passing over/adjacent to a building.
- 22. A tapping can be made only at the point of support. Only good quality PG or wedge type clamps shall be used to ensure good contact. Twisted joints shall be avoided.
- 23. Fuses along with isolators shall be provided to isolate different parts of the distribution system. Lightning arresters shall be provided for every 11 KV and 33 KV outgoing feeder at the Sub-Station and at places where the lines terminate for connections to the equipment.
- 24. The entire pedestal mounted equipment such as distribution transformers, switchgear, and distribution boxes installed in streets and accessible to public shall be protected by locking the doors and/or providing a suitable earthed fence with gate. "DANGER" Boards shall be prominently displayed on the fence and equipment.
- 25. The Distribution system elements in the public places should be placed in such a way that, they should not cause any hindrance to the public movement.
- 26. For the safety of telecommunication lines at locations where the overhead power line may cross over the same, the recommendations laid down in the Code of Practices of the Power and Telecommunication Co-ordination

Committee shall be followed. The detailed drawing of the arrangement at crossings with telecommunication lines as furnished in REC Standards J4 and J5 shall be followed.

27. When erecting overhead power lines, the conductors of the same shall wherever possible, be arranged to cross over (not below) the existing telephone or telegraph lines. For any special cases where it would not be convenient or economical to remove the existing telephone or telegraph wires and erect them below the power wires, special guarding arrangements of suitable design shall be provided.

4.19 Operational Criteria:

The operational criteria comprise of:

- 1) Load monitoring
- 2) Load balancing
- 3) Voltage monitoring and control
- 4) Data logging
- 5) Load management
- 6) Communication
- 7) Safety coordination

1. Load Monitoring:

Station Log Sheets and Registers for Station operations duly recording the hourly readings of the meters such as current, load, voltage etc., shall be maintained at each Sub-Station. A separate register for the daily energy meter readings for both the energy received and energy sent out shall be maintained along with the above.

2. Load Balancing:

- a) The unbalanced load on the LT side of the distribution transformers shall not exceed 10% during peak load.
- b) The secondary currents and voltages of the distribution transformers shall be recorded at least once a quarter during expected peak load hours on all the phases.
 - i) 35 days stored Load survey & billing data from the ETV meters provided on LT side of DTCs shall be down loaded from

communication port every month and following analysis shall be conducted:

- a) Peak load amperes of all three phases.
- b) Highest & lowest voltages during the month.
- c) Unbalanced currents between the 3 phases during peak.
- d) Load Power Factor
- e) Monthly active and reactive energy.
- ii) Neutral current and voltage between neutral & ground shall be measured during the peak load.

3. Voltage Monitoring and Control:

- i) The Voltage monitoring at each Sub-Station feeding 11 KV distribution system shall be monitored and voltages are adjusted to ensure that the voltage profile is within the specified limits. The data logging of the same shall be carried out.
- ii) The voltage condition shall be monitored by operating OLTC of Power Transformers in 33 /11 KV Sub-Stations to correct the voltage at the sending end whenever required.
- iii) The capacitor banks at appropriate locations on the 11kV side as well as 400 Volts side shall be installed to maintain the PF at 0.95.
- iv) The voltage unbalance between phases is defined as deviation between voltage of highest and lowest phases divided by the average voltage of three phases. The voltage unbalance shall not exceed 3% at 33 KV and 3.5% at 11 KV.

4. Data Logging:

- a) All the important data such as Voltage, Current, Power Factor, KW, KVA and Transformer data such as tap position, oil/winding temperature, etc., shall be logged on hourly basis in all Sub-Stations.
- b) The following records among others shall be maintained at each Sub-Station:
 - i. Station log books
 - ii. Operation and Maintenance Manuals for the Sub-Station
 - iii. Maintenance Registers for the equipment and Station batteries
 - iv. Interruption Register

- v. Line Clearance Register
- vi. Equipment Register Peak load register

A detailed analysis of the above data shall be made periodically, to assess the performance of the equipment and overloading conditions if any, for taking necessary decisions.

5. Load Management:

- a) In the event of total or partial blackouts of the State or regional transmission system, the Distribution Licensee shall follow procedures as laid down in Karnataka Electricity Grid Code (KEGC) for restoring normalcy.
- b) In the event of breakdown within its own system, the distribution licensee shall restore/ maintain supply within the limits specified in the Standards of Performance by taking appropriate measures.
- c) Under-Frequency relays shall be employed for automatic load control to ensure Grid Security as decided in consultation with the Regional Power Committee (RPC).

6. Safety Coordination:

The Distribution Licensee and the consumers shall abide by the general safety requirements of the CEA regulations issued under Section 53 of the Electricity Act, 2003, for construction, installation, protection, operation and maintenance of electric supply lines and apparatus, and the procedures laid down in this CODE.

The Distribution Licensee shall develop Safety Manuals to meet the Safety Standards and submit such Manuals to the Commission.

4.20 Maintenance:

1) The Distribution Licensee, for the guidance of the Operation and Maintenance staff shall prepare suitable maintenance manuals and programs for the various components of the distribution system. Proper records duly updating the maintenance work done as per schedule, the details of faults, malfunctions etc., encountered in the lines and equipment during the period, the remedial action taken, etc., for each component of the distribution system shall be kept.

- 2) The following pre-requisites shall be first ensured for the satisfactory maintenance:
 - a) The ability of the system to meet the probable over-loading due to transfer of loads from the adjacent systems during emergencies.
 - b) The quality of the materials used.
 - c) Trained and adequately equipped maintenance staff.
 - d) Schedule of maintenance for each component of the system.
- 3) The maintenance work shall consist of routine inspection, cleaning, testing and adjustments, if any, required and shall be different from the work carried out after a breakdown of any equipment in service, for restoring the same to the working condition, which cannot be planned in advance.
- 4) The maintenance schedules drawn shall cover the following:
 - a. Inspection
 - b. Preventive and routine maintenance
 - c. Overhauls

4.21 Inspection:

This shall include the periodical inspection in service for a check on the condition of the equipment/lines in service as a precautionary measure to prevent faults and defects that may develop during its operation so that advance action can be taken to rectify the defects in a planned manner and prevent breakdowns.

a) Preventive & Routine Maintenance:

The preventive & Routine utility maintenance strategy involves planned utility maintenance through regular inspections, equipment maintenance, and part replacement in electrical distribution equipment. The goal of this approach is to minimize breakdowns, extend equipment life, and prevent unforeseen events. The schedule shall be drawn on the basis of data obtained from inspection and maintenance checks, giving priority to the troubles encountered during normal operation of the line or equipment. This is to be done primarily twice a year, once before monsoon and the next is done after monsoon to see if any breakdown has occurred in the line. Such maintenance of line improves its life drastically.

Few of the preventive measures and cheeks performed during maintenance are:

- i. Line patrolling,
- ii. Maintaining adequate ground clearance,
- iii. Replacement of insulators,
- iv. Restringing of lines,
- v. Replacement of burnt/damaged jumpers,
- vi. Replacement of damaged conductor,
- vii. Replacement of damaged pole, etc.

b) Breakdown Maintenance:

When an overhead line trips on a sustained fault, it should be inspected to find out the nature of fault such as loose sag, snapping of conductor, tree branches touching the lines, conductor falling on cross arms. The improvement works with a view to avoid re-occurrence of such faults in future should be arranged and carried out soon. Complaints regarding no current/failure of power supply, voltage fluctuation shall be attended on top priority.

Problems related to current such as failure of power supply in premises could occur due to various reasons such as:

- i) Fuse blown out/tripping of MCB
- ii) Burnt meter
- iii) Broken service line
- iv) Service line snapped from pole
- v) Fault in distribution mains
- vi) Distribution transformer failure
- vii) Fault in HT system
- viii) Problem in grid substation
- ix) Planned/scheduled/emergency maintenance work
- x) Load shedding
- xi) Street light complaint

c) Pre-monsoon Inspection:

Inspection Checklist for Overhead Power Distribution Lines Maintenance

Overhead power lines' maintenance is required to minimize interruptions and improve the efficiency of power supply. The overhead lines should be inspected periodically to detect any fault which may lead to break down of electric supply. When an overhead line trips, it should be inspected to find out the nature of fault.

i) Low Tension (LT) Line Maintenance includes:

- a. Alignment of poles & Leaned poles should be rectified
- b. Replacement of damaged service wire
- c. Removal of bird nests
- d. Tree clearance & Tree cutting should be properly executed.
- e. Checking of pole fittings and street light brackets
- f. Careful examination of damages to LT conductor such as black spots on conductor
- g. Sagging of lines should be minimized by restringing
- h. Lines should be properly aligned by tightening with proper bolts and nuts.
- i. Earthing should be checked
- j. Torn insulators/flash over insulators should be replaced

ii) Ground Patrolling:

The periodic patrolling (not exceeding a month) of overhead lines at ground level, while, the line is live, is called ground patrol.

iii) Pole Inspections: The following should be checked:

- Leaning of pole
- Sinking of Earth around the Pole
- Corrosion of metal at ground Level
- Cracks in Pre Stressed Cement Concrete Poles (PSCC)
- iv) Cross Arms Inspections: The following should be checked while maintaining cross arms:
 - Tilting of cross arms
 - Rusting of cross arms
 - Bird nest or creeper on cross arm
- v) Bindings Inspections: The looseness and cutting of bindings should be carefully observed while patrolling.
- vi) Conductors Inspections: The following should be checked while maintaining conductors.
 - a. Cut strands, burnt marks and corrosion
 - b. Breakage/Looseness of conductors
 - c. Spotting kites, green creepers on the conductors Stay Wire Inspections: The following should be checked while maintaining stay wire;
 - d. Corrosion of guy rod and stay wire
 - e. Guy wire tightness
 - f. Creeper on the stay wire

- vii) Conductor Inspections: Conductors checked for mechanical damages caused by the following:
 - a) **Aeolian vibration:** During high wind stream of air passes across a conductor, vortices (eddies) are formed on the leeward side (back side). These vortices create alternating pressures producing movement at right angles to the direction of the air flow thus Aeolian vibration exerts excessive pressure on overhead power lines causing fatigue, failure of conductor strands and accessories related to the support.
 - b) **Galloping:** The high-amplitude, low-frequency oscillation of overhead power lines is due to wind. Sway oscillation and gallop tend to short circuit between the lines and thus damage is caused due to arcing. PG clamp maintains equal distance across the lines by maintaining the sag to protect from sway oscillation.
 - c) Unbalance loading: Major line failures are due to unbalance load when one phase conductor gets overheated and snapped (melted down) due to excessive current.
 - d) **Overloading:** When a line is loaded beyond the maximum current carrying capacity the conductor gets overheated and snapped.
- **viii)** Breakers Inspections: Breakers & Switchgears require regular maintenance and following checks:
 - a. Defect in closing of the breakers & switches
 - b. Missing of the lock
 - c. Damage of earth wire
 - d. Dust accumulation on the insulators
 - e. Blades /contacts burnings

ix) Cable Boxes & End Terminations Inspections:

- a. Proper supporting of cable and cable boxes.
- b. Damage to insulator and compound leakage from the box.
- a. Intactness of terminal connections with overhead lines and earthing.

x) Insulator Discs Inspections:

Due to moisture and dust particles on the surface of insulator the resistance is reduced which leads to flash over and failure of insulators due to following causes:

- a. Due to difference in temperatures and hot and cold season, there is extra stress on both conductor and insulators of entire overhead network.
- b. During rainy season dust over the insulator becomes conductive and forms fine hair crack which further develops to fretting due to load and lightening.
- c. Excessive tightening of PG clamps causes extra strain to disc insulator, pin insulator and conductor through-out up to end points and causes tensile breaks of conductor and abrasion, fatigue on pin insulators.
- d. Though lightning arresters (LA) are the most effective means of protecting electrical lines against lightning and switching, failure of LA directly impacts the insulators damage due to spark.
- e. Line conductors are electrically insulated from each other as well as from the pole 'insulators'. The insulator and its binding should be mechanically strong enough to withstand the resultant force due to combined effect of wind pressure and weight of the conductor in the span.

d) Measuring Equipment Testing & Inspections:

Proper calibration and working of equipment should be double checked before using them for testing and repair activity. In case tools used in testing are not properly working and calibrated, then it will not lead to proper adjustment of equipment which in turn would result in malfunction of the total connected system. All the equipment which are meant for

testing and repair activities should be kept separately from other equipment, and should be tested for their accuracy and workability according to defined standards.

e) Overhauls:

This shall cover the preventive maintenance work to be done on the equipment based on the past experience and manufacturers' recommendations and involves major disassembly of the equipment. The schedule shall be drawn based on the normal life expectancy of the equipment or data obtained from inspection and maintenance checks.

The maintenance schedules shall be drawn for all the following components of the distribution system separately:

- i) Power transformers and distribution transformers of 500 KVA and above.
- ii) Pole mounted distribution transformers and capacitors.
- iii) 33 KV and 11 KV circuit breakers along with all the associated switchgear.
- iv) LT circuit breakers.
- v) Pole mounted Auto-Reclosers.
- vi) Power transformers and distribution transformers of 500 KVA and above.
- vii) Pole mounted distribution transformers and capacitors.
- viii) 33 KV and 11 KV circuit breakers along with all the associated switchgear.
- ix) LT circuit breakers.
- x) Pole mounted Auto-Reclosers.

Effective maintenance work shall be ensured keeping the following guidelines for the efficient working of the distribution system and for preventing accidents that may arise due to failure of any of the components.

- a. The pre-monsoon inspection of the distribution lines shall be carried out.
- b. The defects noticed during inspection shall be rectified at the time of inspection itself if they are of minor nature, whenever and wherever possible. In case of such of the defects, which cannot be rectified easily, the same has to be attended to at the earliest possible occasion duly chalking out a program in advance.

- c. If abnormal conditions such as excessive heating or arcing or prohibitively low clearances etc., are observed, the equipment or the line shall be immediately disconnected and rectification of defects carried out.
- d. Manufacturers' instructions shall always be given due consideration and implemented.
- e. A continuous record of all the test results shall be maintained.
- f. Appropriate inspection/maintenance checks/history sheets shall be maintained containing details of all inspection and maintenance works done.
- g. All the required safety precautions/safety devices shall be used while carrying out the maintenance works.
- h. The maintenance schedule shall be periodically reviewed by the Distribution Licensee in the light of previous experience and updated to include all possible improvements required for ensuring adequate maintenance, prevention of accidents and reduction in interruptions.

f) Off-Schedule inspections:

Inspections of the following nature shall be carried out to maintain the system at the required level of reliability in operation.

a. Special inspections:

These shall be made immediately after severe weather conditions, such as heavy wind storms, thunder storms and heavy rains to detect any damage or breakage of poles, insulators, conductors and/or equipment, and necessary action taken.

b. Emergency inspections:

These shall be carried out on a line during its breakdown, to locate and identify the cause of trouble in order to restore the power supply.

c. Follow up inspections:

Whenever one or more short time interruptions are noticed which may have taken place due to temporary faults, the inspection shall be carried out to locate and identify the cause of interruptions and suitable action shall be taken whenever and wherever necessary.

d. Check inspections:

The designated engineer in charge of the distribution system shall make these inspections periodically as a check on the conditions of the line and equipment and the efficacy of maintenance. He shall point out such defects, which might not have been noticed by the maintenance staff in the first instance.

Chapter – 5: Miscellaneous

5.1 Power to Relax:

The Commission, for reasons to be recorded in writing, may relax any of the provisions of these regulations on its own motion or on an application made before it by an affected person to remove the hardship arising out of the operation of any of these regulations, applicable to a class of persons.

5.2 Power to Remove Difficulty:

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, on its own motion or on an application made before it by the distribution licensee, by order, make such provisions not inconsistent with the provisions of the Act or provisions of other Regulations specified by the Commission, as may appear to be necessary for removing the difficulty in giving effect to the objectives of these regulations.

5.3 Repeal and Savings:

Save as otherwise provided in these regulations, the Karnataka Electricity Regulatory Commission (Karnataka Electricity Distribution Code) Regulations, 2015 and all subsequent amendments thereof shall stand repealed from the date of commencement of these Regulations.

5.4 Issue of Suo-Motu Orders and Practice Directions:

The Commission may from time to time issue suo-motu orders and practice directions with regard to implementation of these Regulations and matters incidental or ancillary thereto, as the case may be.

By approval of the Commission,

Secretary
Karnataka Electricity Regulatory Commission

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಜಿಲ್ಲಾಧಿಕಾರಿ ಹಾಗೂ ಜಿಲ್ಲಾ ದಂಡಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ ಜಿಲ್ಲೆ.

OFFICE OF THE DEPUTY COMMISSIONER & DIST. MAGISTRATE, SHIMOGA DISTRICT.

ದೂರವಾಣಿ/PHONE : 08182-271101/221010/221100. ಫ್ಯಾಕ್ಸ್/ FAX : 277082. ಇ-ಮೇಲ್/E-MAIL : deo.shimoga@gmail.com

ಸಂ. NO: SMGDC.RV.(2E)CR.01/2024-25.

ದಿನಾಂಕ:07-01-2025

NOTIFICATION " Form 2-E

[see sub-rule (3) of rule 9-B]

Whereas, the Assistant Commissioner of Shimoga sub division after conducting spot infection has submitted a proposal for declaration of unrecorded habitation in respect of habitation situated 'Kaimara' Arahatolalu Village, Holehonnuru Hobali, Bhadravathi Taluk, Shivamogga District,

I the Deputy Commissioner of Shimoga District, having examined the said proposal of the Assistant Commissioner and having satisfied that the same meets the criterion prescribed to declare the said "Kaimara" unrecorded habitation as such, in exercise of the powers conferred under section 38A of the Karnataka Land Reforms Act 1961, hereby declare the following areas as an unrecorded habitation, namely:-

Name of Taluk	Name of the unrecorded habitation and name of	Survey	whic habita	xtent of land the unrecontion Kaim ocated (4)	rded ara Is	Boundaries			
	original village under which it falls		Acres	Guntas	Ana	North	South	East	West
(1)	(2)	(3)	(4)(i)	(4)(ii)	(4)(iii)	(5)	(6)	(7)	(8)
Bhadravathi	Kaimara	83/3	0	25	0	S.No.83/1A1	S.No.199	S.No.96	S.No.83/1A1
Dilauravatiii	Kaiiliaia	83/1A1	0	20	0	S.No.83/1A1	S.No.199	S.No.83/3	S.No.199
_	Total extent of unrecorded habitation			05	0				

It is hereby declared that this unrecorded habitation may herein after be named as "Kaimara".

"And whereas in consequence of this declaration the extent of land indicated in the column(4) above with survey number specified in column(3) on which the said unrecorded habitation is located vests absolutely in the state Government free from all encumbrance.

Provided that, any private land vested in the Government as per this notification is subject to the condition that any extent of such land occupied by the land owner himself for his residential and other domestic purpose, if identified or included in it, the same shall be restored to him by the Assistant Commissioner at the time of identifying eligible claimants for issuing title deeds to the habitants of the said unrecorded habitation.

Place: Shivamogga Date: 07-01-2025 Deputy Commissioner Shivamogga District.

<u>ಕರ್ನಾಟಕ ಸರ್ಕಾರ</u>

ಸಂಖ್ಯೆ: ಸಿಐ 3 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:17.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 3(1) ರನ್ವಯ ಅಧಿಸೂಚನೆ

ಕರ್ನಾಟಕ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966)ನೇದ್ದರ ಕಲಂ 3ರ ಉಪ ಕಲಂ (1) ರನ್ವಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರಕಾರವು ಕೂಪ್ಪಳ ಜಿಲ್ಲೆ ಕುಷ್ಟಗಿ ತಾಲ್ಲೂಕಿನ , 1)ಕುಷ್ಟಗಿ, 2)ಟೆಂಗುಂಟಿ, 3)ಖಾಲ್ಸಾಹೊಸೂರ, 4)ಖಾಲ್ಸಾಗೊನಾಳ, 5)ಮಾದಾಪೂರ, 6)ಸಾಸ್ಟಿಹಾಳ ಮತ್ತು 7)ಮುದ್ದಲಗುಂದಿ ಗ್ರಾಮಗಳ ಜಮೀನುಗಳಲ್ಲಿ "ಗದಗವಾಡಿ ಹೊಸ ರೈಲ್ವೆ ಮಾರ್ಗ ನಿರ್ಮಾಣದ" ಯೋಜನೆಗಾಗಿ 14ನೇ ಹಂತದಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಈ ಕೆಳಗಿನ ಅನುಸೂಚಿಯ 2ನೇ ಅಂಕಣದಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನಿನ ಕ್ಷೇತ್ರವನ್ನು 3ನೇ ಅಂಕಣದಲ್ಲಿ ಕಾಣಿಸಿರುವಂತೆ ಅಂಕಣ (4) ರಿಂದ (7) ರ ವರೆಗೆ ವಿವರಿಸಿದ ಚಕಬಂದಿ (ಚತು:ಸೀಮೆ)ಯನ್ನು ಒಳಗೊಂಡಿರುವ ಪ್ರದೇಶವನ್ನು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಅಧ್ಯಾಯ 7 ರಲ್ಲಿಯ ಉಪ ಬಂಧಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆ ದಿನಾಂಕದಿಂದ ಚಲಾಯಿಸಲಾಗುತ್ತದೆ ಅಂತಾ ಈ ಮೂಲಕ ನಿಗದಿಪಡಿಸಿದೆ.

ಅನುಸೂಚಿ

ಅ.ನಂ	ರಿ.ಸ.ನಂ.	ಸ್ವಾಧೀನ ಪಡಿಸುವ ಅಂದಾಜು ವಿಸ್ತೀರ್ಣ		ಚಕಬಂದಿ (ಚತು	:ಸೀಮೆ)	
		(ಎ-ಗುಂ-ಆ)	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
1	2	3	4	5	6	7
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ		ತಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ		7	್ರಾಮ: ಕುಷ್ಟಗಿ
1	346/*	0-01-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ	ಉಳಿದ ಭಾಗ
2	351/1	0-00-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	352	ಉಳಿದ ಭಾಗ

	351/2					
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	351/5					
	351/2/1					
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	351/2/3					
	351/2/4					
3	352/*	0-02-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	348	351
	371/1					
	371/2					
	371/3	0-06-00	ಉಳಿದ ಭಾಗ	್ರಾಧ್ಯಾನ ಪ್ರವೇಶ	372	ಉಳಿದ ಭಾಗ
4	371/4	0-00-00	συνω φυπ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	312	۱۱ الفلم شود ۱
	371/5					
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	371/9					
	372/1					
	372/2	0-14-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373		
	372/3				ಉಳಿದ ಭಾಗ	383
5	372/4					
	372/5					
	372/6					
	372/7					
	377/1			ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		
6	377/2	0-18-08	ಉಳಿದ ಭಾಗ		375	378
	377/3					
	378/1					
	378/2					
7	378/3	3-02-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	377	379
	378/4					

	378/5					
	378/6					
	378/7					
	378/8					
	378/9					
8	379/*	0-21-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	378	380
	380/1					
	380/2	0-11-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	379	394
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9	380/5					
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	380/7					
	380/8					
	383/1		مرمجهم جغوم			100e9 at 157
10	383/2	0-08-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373	372	ಉಳಿದ ಭಾಗ

	383/3					
	394/1					
	394/2		ಉಳಿದ ಭಾಗ	ನಂಸಾಧೀನ ಪನೇಷ		
11	394/3	0-35-00		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	380	395
	394/4					
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	394/.5					
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	395/1/1					
12	395/1/2	0-29-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	394	402
	395/2/*					
	402/1					
	402/2					
13	402/3	0-20-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	395	409
13	402/4	0-20-00	•	4.0.1.3.4.1.1	333	403
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	402/6					

	409/1/1					
	409/1/2					
	409/1/3					
	409/1/4					
14	409/1/5	0-35-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	402	429
	409/1/6					
	409/1/7					
	409/2/1					
	409/2/2					
	409/2/3					
	409/2/4					
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	409/2/6					
	429/1					
15	429/2	0-17-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	409	430
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16	430/2/1	0-10-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	429	434
	430/2/2					
	430/2/3					
	430/2/4					
	ఒట్టు	08-31-00				
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ		ತಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ		ಗ್ರಾಪ	ಬ: ಟೆಂಗುಂಟಿ
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	4/2/3		್ಷ ಎಲ್ಲಾನ್ ಸನೇಷ	ಉಳಿದ ಭಾಗ	_	9.5
1	4/2/5	0-00-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	009W WON	5	26
	4/2/6					
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	4/2/74					
	4/3/*					
2	5/1/*	0.02.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ		26
2	5/2/*	0-03-08	ಧಾನಶ್ವಧೀನ ಪ್ರದೀಶ	00 \$ W WOIT	6	26
	6/1	0.14.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	96	ಗಡಿ
3	6/2	0-14-00	ಧಾನಶ್ವಧೀನ ಪ್ರದೀಶ	00 \$ W WOIT		7160
	18/ಆ	0-24-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		19	
	18/2					
4	18/3			ಉಳಿದ ಭಾಗ		ಗಡಿ
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	19/1					
5	19/2	0-07-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	21	18

	21/1					
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	21/3					10
6	21/4	0-09-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	22	19
	21/5					
	21/6					
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7	22/3	0-19-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	31	21
	22/4					
	25/1					
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	25/3					
	25/4	0-06-04				30
8	25/5		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	26	
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9		0-04-12	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	009W WON	5	25
	26/3					
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	26/6					
10	30/1	0.24.04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	25	21
10	30/2	0-24-04	ماسوس ملسوس ماسوس ملسوس ماسوس	2000 4011	25	31

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	31/4	0-00-08	مرمسهم بالمرس			
11	31/5		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	30	22
	31/6					
	31/7					
	31/8	_				
	66/1					
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	66/3	-				
12	66/4	0-07-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	101
12	66/5	0 07 00	a	,	·	101
	66/6	-				
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	68/1					
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13	68/5	1-05-08	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಗಡಿ	ಉಳಿದ ಭಾಗ
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	68/9					
	69/1/1	-				
	69/1/1					73
	69/1/2					
	69/1/3				ಉಳಿದ ಭಾಗ	
	69/1/4					
	69/1/5		ೆ ೧೯೯೩ ಕನೇಕ	ಉಳಿದ ಭಾಗ		
14	69/2/1	0-04-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ			
	69/2/2					
	69/2/3					
	69/2/4					
	69/2/5					
	69/2/6					
	73/1					
4 -	73/2	0.10.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉತಿದ್ದ ಶಾಸ	60	7.4
15	73/3	0-10-00	ಭಾಗವೆಗಳು ಹಾಗು	ಉಳಿದ ಭಾಗ	69	74
	73/4					

	73/5					
	73/6					
	73/7					
	74/1					
16	74/2	0-03-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	73	66
	74/3					
	96/1/1	0-17-00				
	96/1/2					
	96/1/3					
47	96/1/4		್ಷ ೧೯೯೩ ಕನೇಕ	ಉಳಿದ ಭಾಗ	400	
17	96/1/5		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		100	6
	96/2/1					
	96/2/2					
	96/2/3					
	99/1/1					
	99/1/2	-				
	99/1/3		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	101	ಗ್ರಾಮ
	99/1/4					
18	99/1/5	0-08-00				
10	99/1/6 99/2/1	_ 0 00 00	3, 3			
	99/2/2					
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	99/2/4					
19	100/*	0-10-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	99	ಗ್ರಾಮ
	101/1/1					
20	101/1/2	0-26-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	66	99
	101/2/1					
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ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ		ತಾಲ್ಲೂಕ: ಕು	ುಷ್ಟಗಿ		ಗ್ರಾಮ: ಖಾ	ಲ್ಸಾ ಹೊಸೂರ.
	17/1						
	17/2						
	17/3					್ಷ ೧೯೯೩ ಕನ್ನ	
1	17/4	0-12-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧಿ	ೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	24
	17/5					ಪ್ರದೀಶ	
	17/6						
	17/7						
2	24/*	0-05-04	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧಿ	ೀನ ಪ್ರದೇಶ	17	ಉಳಿದ ಭಾಗ
3	45/*	0-11-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧಿ	ೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ
4	46/1	0-34-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿ	ದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಗಡಿ
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	43/1/1								
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	43/1/4								
	43/1/5								
1	43/1/6		1-06-00		ಉಳಿದ	ಬಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	59
ı	43/1/7		1-06-00	1		900.1	ಪ್ರದೇಶ	, , , , , , , , , , , , , , , , , , ,	
	43/2/1								
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_	59/1				ಉಳಿದ	್ರಾಸ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		**************************************
2	59/2		0-08-00		0000	ယုပ်က		43	ಉಳಿದ ಭಾಗ
		ఒట్టు	1-14-00						
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ			ತಾಲ	್ಲೂಕ: ಕು	ಷ್ಟಗಿ	1	ಗ್ರಾಮ:	ಮಾದಾಪೂರ.
1	1/1								
	1/2		0-22-00	1	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	2	ಗ್ರಾಮ	
	1/3		0-22-00	1					
	1/4								

	1/5 1/6 1/7 1/8 1/9 1/10 1/11 1/12 1/13					
2	2/1/1	1-06-00	62	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	92	1
	2/1/2					
	2/1/3					
	2/2/2					
	2/3/*					
	5/*/1					
	5/*/2					
	5/*/3					
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	5/*/5					
	5/*/6	0.27.00	ಗ್ರಾಮ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		
3	5/*/7	0-37-00	1 10,000	ಪ್ರದೇಶ	1	6
	5/*/8					
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	6/1/2					
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	6/1/5	-		್ಷ ೧೯೯೩		
4	6/1/6	0-25-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	5	ಉಳಿದ ಭಾಗ
	6/1/7			ಪ್ರದೀಶ		
	6/2/1	-				
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	6/2/3					
5	45/*/*	0-05-00	ಗಡಿ	46	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ
6	46/*/1	0-09-00	45	47	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ
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	46/*/3					
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	46/*/5	-				
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	50/*/2					
_	50/*/3			100 m = 00 = 00 = 00 = 00 = 00 = 00 = 00	مردوع مصع	
7	50/*/4	0-17-00	53	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	53
	50/*/5	-				
	50/*/6	-				
	51/*/1					
8	51/*/2	0-28-00	53	ಉಳಿದ ಭಾಗ	53	92
	51/*/3	0 20 00				

	51/*/4					
	51/*/5					
	51/*/6					
	51/*/7					
	51/*/8					
	51/*/9					
	51/*/10					
	51/*/11					
	51/*/12					
	51/*/13					
	53/*/1					
	53/*/2	0.00.00	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ		
9	53/*/3	0-29-00	0080 Well	3080 4011	54	51
	53/*/4					
	53/*/5					
	53/*/6					
	54/*/1					
	54/*/2					
	54/*/3					
	54/*/4					
	54/*/5					
10	54/*/6	0-34-00	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56	53
	54/*/7					
	54/*/8	-				
	54/*/9					
	54/*/10					

	55/*/1					
11	55/*/2	0-32-08	57	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56
	55/*/3					
	56/*/1					
12	56/*/2	0.00.00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ	FF	ಉಳಿದ ಭಾಗ
12	56/*/3	0-08-08	00000 40011	ಪ್ರದೇಶ	55	00000 40011
	56/*/4					
	57/*/1					
	57/*/2					
	57/*/3				ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	
	57/*/4					
	57/*/5	0-32-08				
13	57/*/6		ಗಡಿ	55		ಉಳಿದ ಭಾಗ
	57/*/7					
	57/*/8					
	57/*/9					
	92/*/1					
	92/*/2	-		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	51	
	92/*/3	_	2000			
14	92/*/4	0-04-00	ಉಳಿದ ಭಾಗ			2
	92/*/5					
	92/*/5					

	92/*/6						
	ఒట్టు	8-09-08					
ಜಿಲ್ಲೆ:	: ಕೊಪ್ಪಳ	<u> </u>	ಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ	1	ಗ್ರಾಮ: ಸಾಸ್ವಿಹಾಳ.		
	28/1/1			<u>ಭ ೧೯೯೭</u>			
1	28/1/2	0-10-08	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	31	ಗಡಿ	
	28/1/3			33373			
	30/1/1						
2	30/1/2	0-39-00	ಉಳಿದ ಭಾಗ ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ	34	31	
	30/1/3	0-39-00		ಪ್ರದೇಶ) 3 4		
	30/1/4						
3	31/*	1-24-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	30	28	
4	34/*	3-07-08	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	56	30	
	55/1/1		ಉಳಿದ ಭಾಗ		ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	
_	55/1/2	0.04.00					
5	55/1/3	0-01-08	00000 4011	56	001W WOIT	00100 40011	
	55/1/4						
6	56/1	3-01-00	55	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	
	56/2						
	56/3						
	•						

	56/4					
	56/5					
	56/6	-				
	56/7	-				
	56/8	-				
	56/9					
	60/1/1					
	60/1/2					
	60/1/3					
_	60/1/4	0.04.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	60	64
7	60/1/5	0-04-08	ಪ್ರದೇಶ	0080 4011	62	61
	60/1/6					
	60/1/7					
	60/1/8					
	61/*/1					
	61/*/2					
	61/1/3	_				
	61/1/4					
	61/1/5	1	ಭೂಸ್ವಾಧೀನ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
8	61/*/6	2-15-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
	61/*/7	_				
	61/*/8					
	61/*/9	1				
	61/*/10	1				
	62/1/*		ಭೂಸ್ವಾಧೀನ			
9	62/2/*	0-17-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	65	60

10	64/1/1	0-29-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	75	62
	64/1/2					
	64/1/3					
	64/1/4					
	64/1/5					
	64/1/6					
	64/1/7					
	64/1/8					
	64/1/9					
	65/1/1					
11	65/1/2	0-11-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	64	62
	65/1/3)			
	72/1/1					
	72/1/2					
	72/1/3					
	72/1/4			 ಭೂಸಾದೀನ		
12	72/1/5	0-03-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	73	ಉಳಿದ ಭಾಗ
	72/1/7					
	72/*/8					
	72/*/9					
	72/1/9					
	73/1/1			ಭೂಸಾದೀನ	ಚರ್ವಾಗೀನ	
13	73/1/2	0-19-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	72
	73/1/3			ي سري	<u> </u>	

	73/1/4					
	73/1/5					
	73/1/6					
	73/1/7					
	73/2/8					
	73/2/9					
	73/2/10					
	73/2/11					
	73/2/12					
	73/2/13					
	75/1/1					
	75/1/2		ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		
14	75/1/3	0-05-00			72	64
14	75/1/4	0-03-00			12	04
	75/1/5					
	75/1/6					
	ಒಟ್ಟು	13-28-00				
ಜಿಲ್ಲೆ	: ಕೊಪ್ಪಳ	3	ಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ	1	ಗ್ರಾಮ: ಕ	ಯದ್ದಲಗುಂದಿ.
1	52/*/1	6.25.00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	F2	
	52/*/2	6-25-00	2040 Mall		53	55
				1	1	1

	ಒಟ್ಟು	7-37-00		5,000		
2	53/*	1-12-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	29	52

-: ಘೋಷ್ವಾರೆ :-

ಅ. ನಂ.	ತಾಲ್ಲೂಕಿನ ಹೆಸರು	ಗ್ರಾಮದ ಹೆಸರು	ಒಟ್ಟು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ಖರಾಬು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ನಿವ್ವಳ ಕ್ಷೇತ್ರ (ಎ–ಗು.ಆ)
1	2	3	4	5	6
1	ಕುಷ್ಟಗಿ	ಕುಷ್ಟಗಿ	8-31-00	-	8-31-00
2	ಕುಷ್ಟಗಿ	ಟೆಂಗುಂಟಿ	6-06-00	_	6-06-00
3	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಹೊಸೂರು	1-22-12	_	1-22-12
4	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಗೋನಾಳ	1-14-00	_	1-14-00
5	ಕುಷ್ಟಗಿ	ಮಾದಾಪೂರ	8-09-08	_	8-09-08
6	ಕುಷ್ಟಗಿ	ಸಾಸ್ವಿಹಾಳ	13-28-00	-	13-28-00
7	ಕುಷ್ಟಗಿ	ಮುದ್ದಲಗುಂ ದಿ	7-37-00	-	7-37-00
		ఒట్పు	47-28-04	-	47-28-04

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ. ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 3 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:17.01.2025

<u>ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 1(3) ರನ್ವಯ ಅಧಿಸೂಚನೆ</u>

ಕರ್ನಾಟಕ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966)ನೇದ್ದರ ಕಲಂ 1ರ ಉಪ ಕಲಂ (3) ರನ್ವಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರಕಾರವು ಕೊಪ್ಪಳ ಜಿಲ್ಲೆ ಕುಷ್ಟಗಿ ತಾಲ್ಲೂಕಿನ , 1)ಕುಷ್ಟಗಿ, 2)ಟೆಂಗುಂಟೆ, 3)ಖಾಲ್ಸಾಹೊಸೂರ, 4)ಖಾಲ್ಸಾಗೊನಾಳ, 5)ಮಾದಾಪೂರ, 6)ಸಾಸ್ಟಿಹಾಳ ಮತ್ತು 7)ಮುದ್ದಲಗುಂದಿ ಗ್ರಾಮಗಳ ಜಮೀನುಗಳಲ್ಲಿ "ಗದಗ–ವಾಡಿ ಹೊಸ ರೈಲ್ವೆ ಮಾರ್ಗ ನಿರ್ಮಾಣದ" ಯೋಜನೆಗಾಗಿ 14ನೇ ಹಂತದಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಈ ಕೆಳಗಿನ ಅನುಸೂಚಿಯ 2ನೇ ಅಂಕಣದಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನಿನ ಕ್ಷೇತ್ರವನ್ನು 3ನೇ ಅಂಕಣದಲ್ಲಿ ಕಾಣಿಸಿರುವಂತೆ ಅಂಕಣ (4) ರಿಂದ (7) ರ ವರೆಗೆ ವಿವರಿಸಿದ ಚಕಬಂದಿ (ಚತು:ಸೀಮೆ)ಯನ್ನು ಒಳಗೊಂಡಿರುವ ಪ್ರದೇಶವನ್ನು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಅಧ್ಯಾಯ 7 ರಲ್ಲಿಯ ಉಪ ಬಂಧಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆ ದಿನಾಂಕದಿಂದ ಚಲಾಯಿಸಲಾಗುತ್ತದೆ ಅಂತಾ ಈ ಮೂಲಕ ನಿಗದಿಪಡಿಸಿದೆ.

<u>ಅನುಸೂಚಿ.</u>

ಅ.ನಂ	ರಿ.ಸ.ನಂ.	ಸ್ವಾಧೀನ ಪಡಿಸುವ ಅಂದಾಜು ವಿಸ್ತೀರ್ಣ (ಎ-ಗುಂ-ಆ)	ಚಕಬಂದಿ (ಚತು:ಸೀಮೆ)			
			ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
1	2	3	4	5	6	7
	ಜಿಲ್ಲೆ: ಕೊಪ್ಪಳ		ತಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ	ಗ್ರಾಮ: ಕುಷ್ಟಗಿ		
1	346/*	0-01-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ	ಉಳಿದ ಭಾಗ

	351/1					
	351/2					
	351/3					
	351/4					
2	351/5	0-00-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	352	ಉಳಿದ ಭಾಗ
	351/2/1					
	351/2/2					
	351/2/3					
	351/2/4					
3	352/*	0-02-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	348	351
	371/1					
	371/2					
4	371/3 0-06-00	0-06-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	372	ಉಳಿದ ಭಾಗ
	371/4					
	371/5					

	371/6					
	371/7					
	371/8					
	371/9					
	372/1		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373		
	372/2				ಉಳಿದ ಭಾಗ	
	372/3	0-14-00				
5	372/4					383
	372/5					
	372/6					
	372/7					
	377/1					
6	377/2	0-18-08	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	375	378
	377/3					
	378/1					
7	378/2	3-02-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	377	379
	378/3					

	378/4					
	378/5					
	378/6					
	378/7					
	378/8					
	378/9					
8	379/*	0-21-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	378	380
	380/1					
	380/2					
	380/3					
	380/4					
9	380/5	0-11-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	379	394
	380/6					
	380/7					
	380/8					
10	383/1	0-08-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373	372	ಉಳಿದ ಭಾಗ
-						

	383/2	-				
	383/3					
	394/1		ೲಿನ ಎನ	ಯ ಎಕ್ಕಾನ ಕನೇಶ		
11	394/2	0-35-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	380	395
	394/3					
	394/4					
	394/5					
	394/.5					
	394/6					
	395/1/1					
12	395/1/2	0-29-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	394	402
	395/2/*					
	402/1					
	402/2					
13	402/3	0-20-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	395	409
	402/4					
	402/5					

	402/6					
	409/1/1					
	409/1/2	-				
	409/1/3					
14	409/1/4 0-35-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	402	429	
	409/1/5					
	409/1/6					
	409/1/7					
	409/2/1					
	409/2/2	_				
	409/2/3					
	409/2/4					
	409/2/5					
	409/2/6					
1-	429/1	0-17-08	ಿನ ಎಸ್.ನೀನ ಸನೇಷ	ಉಳಿದ ಭಾಗ	409	
15	429/2		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ			430

	429/3						
	429/4	-					
	430/1/1						
	430/1/2						
	430/1/3	_	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		_		
16	430/1/4	0-10-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	7 429	434	
	430/2/1	_					
	430/2/2						
	430/2/3						
	430/2/4	_					
	ఒట్ట	08-31-00					
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ		ತಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ			ಗ್ರಾಮ: ಟೆಂಗುಂಟಿ	
	4/1/*						
	4/2/2		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಚಿತ್ರಗ	_	26	
1	4/2/3	0-00-04	ಧಾನಕ್ಷಧೀನ ಪ್ರದೀಶ	ಉಳಿದ ಭಾಗ	5	26	
	4/2/5						

	4/2/6					
	4/2/2					
	4/2/74					
	4/3/*					
	5/1/*	0.00.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ		26
2	2 5/2/*	0-03-08	ಭುಕಿಸಲ್ಪಧೀನ ಪ್ರದೀಶ	3080 ABN	6	26
2	6/1	0-14-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	96	ಗಡಿ
3	6/2			συνω φοιτ		1160
4	18/ಆ	0.24.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	19	ಗಡಿ
4	18/2	0-24-08				1100
	18/3					
	18/4					
	18/5					
	18/6					
	18/7					
	18/8					

_	19/1	0.07.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	21	18
5	19/2	0-07-08	ಧೂಕಿಸಿದ್ದಿಭೀನ ಪ್ರಹೀರ	2080 Mall	21	10
	21/1					
	21/2					
	21/3					
6	21/4	0-09-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	22	19
	21/5		~			
	21/6					
	21/7					
	22/1					
	22/2		مرم می مرم	್ಯೂ ನಿನ ಎನ		21
7	22/3	0-19-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	31	21
	22/4					
	25/1		ल ० च है। ज ज च च च च			
	25/2			ಉಳಿದ ಭಾಗ		
	25/3					
8	25/4	0-06-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		26	30
	25/5					
	25/6					
	25/7					
	25/8					
9	26/1	0-04-12	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	5	25
	26/2					
	26/3					
	26/4					

	26/5					
	26/6					
	30/1					
	30/2					
	30/3					
	30/4					
	30/5		್ಷ ಎಲ್ಲಾನ ಕನ್ನೇ	ಉಳಿದ ಭಾಗ		
10	30/6	0-24-04	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	909W WON	25	31
	30/7					
	30/8					
	30/9					
	31/1					
	31/2					
	31/3	-		ಉಳಿದ ಭಾಗ		
	31/4		oz o == 8e 국 - 국 국 e 국			
11	31/5	0-00-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		30	22
	31/6					
	31/7					
	31/8					
	66/1		ಯ ಎಕ್ಕಾನಿಕ ಸನೇಷ	್ಲಿ	್ಲೂನಿ ಬ್ಲಾಸ	
12	66/2	0-07-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	101
	66/3					
	66/4					
	66/5					

	66/6					
	66/7					
	66/8					
	66/9					
	68/1					
	68/2					
	68/3					
	68/4		ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ		ಉಳಿದ ಭಾಗ
13	68/5	1-05-08			ಗಡಿ	
	68/6					
	68/7					
	68/8					
	68/9					
	69/1/1					
	69/1/1					
	69/1/2					
	69/1/3					
	69/1/4					
14	69/1/5	0-04-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	73
	69/2/1		33			
	69/2/2					
	69/2/3					
	69/2/4					
	69/2/5					

	69/2/6					
	73/1					
15	73/2	0-10-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	69	74
	73/3					
	73/4					
	73/5					
	73/6					
	73/7					
	74/1					
16	74/2	0-03-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	73	66
			ω υ			
	74/3 96/1/1					
	96/1/2					
	96/1/3					6
	96/1/4	0-17-00				
17	96/1/5		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	100	
	96/2/1					
	96/2/2					
	96/2/3					
	99/1/1					
	99/1/2					
	99/1/3					
10	99/1/4	0.00.00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	101	ಗ್ರಾಮ
18	99/1/5	0-08-00	ماسون ماسون میرده	200 W WOIT	101	119
	99/1/6 99/2/1					
	99/2/2					

1	17/1 17/2		0-12-00	ಉಳಿದ ಭಾಗ	ಭೂಸ	್ವಾಧೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	24
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ	1		ತಾಲ್ಲೂಕ: ಕ	ುಷ್ಟಗಿ		ಗ್ರಾಮ: ಖಾ	ಲ್ಸಾ ಹೊಸೂರ.
		ಒಟ್ಟು	6-06-00					
	101/4/5							
	101/4/4							
	101/4/3							
	101/4/2							
	101/4/1							
	101/3/7							
	101/3/6							
	101/3/5							
	101/3/4							
	101/3/3							
	101/3/2							
	101/3/1							
	101/2/4							
	101/2/3							
	101/2/2							
	101/2/1							
20	101/1/2		0-26-08	<u> </u>	<u></u>	00 t & 4011	66	99
19	101/1/1		0-10-08	ಭೂಸ್ವಾಧೀನ ಭೂಸ್ವಾಧೀನ		ಉಳಿದ ಭಾಗ	99	ಗ್ರಾಮ
	99/2/4 100/*			್ಷ ೧೯೯೩ ನ	- ಸನ್ಮೊ	ಉಳಿದ ಭಾಗ		ある
	99/2/3							

	17/4							
	17/5							
	17/6							
	17/7							
2	24/*	0-05-04	ಉಳಿದ	ಭಾಗ	ಭೂಸ	್ವಾಧೀನ ಪ್ರದೇಶ	17	ಉಳಿದ ಭಾಗ
3	45/*	0-11-00	ಉಳಿದ	ಭಾಗ	ಭೂಸ	್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ
4	46/1	0-34-08	ಭೂಸ್ವಾಧೀನ	ಪ್ರದೇಶ			ಉಳಿದ ಭಾಗ	ಗಡಿ
	46/2							
	46/3							
	46/4							
	ఒట్టు	1-22-12						
ಜಿಲ್ಲೆ: ಕೆ	 ೂಪ್ಪಳ		 ತಾಲ		<u>ಷ</u> ್ಟಗಿ		 ಗ್ರಾಮ: ಖ	 ಶಾಲ್ಸ್ ಗೊನಾಳ.
(1)	43/1/1				~			~
	43/1/2							
	43/1/3							
	43/1/4							
	43/1/5						ಉಳಿದ ಭಾಗ	
1	43/1/6	1.00	00	ಉಳಿದ	ಬಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		59
1	43/1/7	1-06-	-00		9011	ಪ್ರದೇಶ		
	43/2/1							
	43/2/2							
	43/2/3							
	43/2/4							
2	59/1	0.00	00	ಉಳಿದ	ಬಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	42	ಉಳಿದ ಭಾಗ
2	59/2	0-08-	-00	3090	φση	ಪ್ರದೇಶ	43	0000 4011
				1		1		1

	ಒಟ್ಟು	1-14-00				
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ	ತಾಲ	್ಲೂಕ: ಕುಷ್ಟಗಿ		ಗ್ರಾಮ:	ಮಾದಾಪೂರ.
	1/1					
	1/2					
	1/3			್ಷ ಕ್ಷಾನ್		
1	1/4	0-22-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	2	ಗ್ರಾಮ
	1/5			ا سی		
	1/6					
	1/7					
	1/8					
	1/9					
	1/10					
	1/11					
	1/12					
	1/13					
	2/1/1			್ಷ ಕ್ಷಾಧೀನ		
	2/1/2					
2	2/1/3	1-06-00	62	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	92	1
	2/2/2			ا ش		
	2/3/*					
	5/*/1					
	5/*/2					
2	5/*/3	0-37-00	ಗ್ರಾಮ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	1	
3	5/*/4		110,000	ಪ್ರದೇಶ	1	6
	5/*/5					
	5/*/6					

	5/*/7					
	5/*/8	1				
	5/*/9					
	5/*/10	1				
	5/*/11	7				
	5/*/12	†				
	5/*/13	†				
	6/1/1					
	6/1/2					
	6/1/3		,00°25 05 5	ಭೂಸ್ವಾಧೀನ	5	್ಲೂನಿಸ ೧೯ ಸ
4	6/1/4	0-25-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		ಉಳಿದ ಭಾಗ
	6/1/5	/6				
	6/1/6					
	6/1/7					
	6/2/1					
	6/2/2					
	6/2/3					
5	45/*/*	0-05-00	ಗಡಿ	46	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ
	46/*/1					
	46/*/2					25 A TO
6	46/*/3	0-09-00	45	47	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ
	46/*/4	1				ಪ್ರದೀಶ
	46/*/5					
_	50/*/1	2 :		ಉಳಿದ ಇನ	ಉಳಿದ ಭಾಗ	
7	50/*/2	0-17-00	53	ಉಳಿದ ಭಾಗ	ರಂಕದ ಭಾಗ	53

	50/*/3					
	50/*/4	-				
	50/*/5	=				
	50/*/6	-				
	51/*/1					
	51/*/2	-				
	51/*/3	-				
	51/*/4	=				
	51/*/5					
8	51/*/6	0-28-00	53	ಉಳಿದ ಭಾಗ	53	92
	51/*/7					
	51/*/8					
	51/*/9	-				
	51/*/10	-				
	51/*/11					
	51/*/12					
	51/*/13	-				
	53/*/1					
9	53/*/2	0-29-00	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	54	51
	53/*/3					
	53/*/4	-				
	53/*/5	-				
	53/*/6	-				
	54/*/1					
10	54/*/2	0-34-00	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56	53
	54/*/3					

	54/*/4					
	54/*/5					
	54/*/6	=				
	54/*/7	1				
	54/*/8	1				
	54/*/9	-				
	54/*/10	1				
	55/*/1					
11	55/*/2	0-32-08	57	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56
	55/*/3					
	56/*/1					
	56/*/2	1	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		ಉಳಿದ ಭಾಗ
12	56/*/3	0-08-08	ರಂಕದ ಭಾಗ	ಪ್ರದೇಶ	55	30 \$ W WOIT
	56/*/4	-				
	57/*/1					
	57/*/2	0-32-08	ಗಡಿ	55	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ
13	57/*/3					
	57/*/4					
	57/*/5					
	57/*/6					
	57/*/7	-				
	57/*/8					
	57/*/9					
14	92/*/1	0-04-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ	51	2

	92/*/2			ಪ್ರದೇಶ		
	92/*/3	_				
	92/*/4					
	92/*/5					
	92/*/6	1				
	ఒట్జు	8-09-08				
ಜಿಲ್ಲೆ:		<u>'</u> ਭ	 ಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ		ಗ್ರಾವ	ು: ಸಾಸ್ವಿಹಾಳ.
	28/1/1			.,		
1	28/1/2	0-10-08	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	31	ಗಡಿ
	28/1/3			ಪ್ರದೀಶ		
	30/1/1					
	30/1/2	_	,000 m m m	ಭೂಸ್ವಾಧೀನ		
2	30/1/3	0-39-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	34	31
	30/1/4					
3	31/*	1-24-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	30	28
4	34/*	3-07-08	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	56	30
	55/1/1					
5	55/1/2	0-01-08	ಉಳಿದ ಭಾಗ	56	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
	55/1/3					

	55/1/4					
	56/1					
	56/2	1				
	56/3					
	56/4					
6	56/5	3-01-00	55	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
	56/6			33.000		
	56/7					
	56/8					
	56/9	-				
	60/1/1					
	60/1/2	0-04-08				
	60/1/3					
	60/1/4		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	62	
7	60/1/5		ಪ್ರದೇಶ	೮೦೪ದ ಭಾಗ		61
	60/1/6					
	60/1/7					
	60/1/8					
	61/*/1					
	61/*/2					
	61/1/3		್ಷ ಕ್ಷಾಧೀನ			
8	61/1/4	2-15-00	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
	61/1/5					

	61/*/6					
	61/*/7					
	61/*/8					
	61/*/9	-				
	61/*/10	-				
	62/1/*		ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ		
9	62/2/*	0-17-00	ಪ್ರದೇಶ	0080 4011	65	60
	64/1/1					
	64/1/2					
	64/1/3	-				
	64/1/4					
10	64/1/5	0-29-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	75	62
	64/1/6	0 29 00		ಪ್ರದೇಶ	, ,	02
	64/1/7	-				
	64/1/8					
	64/1/9					
	65/1/1					
11	65/1/2	0-11-08	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	64	62
	65/1/3		33.77			
	72/1/1					
	72/1/2	_				
12	72/1/3	0.02.00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	72	ಉಳಿದ ಭಾಗ
12	72/1/4	0-03-00	0000 4011	ಪ್ರದೇಶ	73	3086 4011
	72/1/5	-				
	72/1/7					

	72/*/8					
	72/*/9					
	72/1/9					
13	73/1/1	0-19-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	72
	73/1/2					
	73/1/3					
	73/1/4					
	73/1/5					
	73/1/6					
	73/1/7					
	73/2/8					
	73/2/9					
	73/2/10					
	73/2/11					
	73/2/12					
	73/2/13					
	75/1/1					
	75/1/2	0.05.00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	72	C.4
14	75/1/3	0-05-00	σοιω φοιι			64
	75/1/4					

	75/1/5					
	75/1/6					
	ఒట్టు	13-28-00				
ಜಿಲ್ಲೆ:	ಕೊಪ್ಪಳ	3	ಶಾಲ್ಲೂಕ: ಕುಷ್ಟಗಿ		ಗ್ರಾಮ: ವ	<u>ುದ್ದಲಗುಂದಿ.</u>
1	52/*/1		ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ		
	52/*/2	6-25-00	9040 Well	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	53	55
2	53/*	1-12-00	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	29	52
	ఒట్టు	7-37-00				

<u>-: ಘೋಷ್ವಾರೆ :-</u>

ಅ. ನಂ.	ತಾಲ್ಲೂಕಿನ ಹೆಸರು	ಗ್ರಾಮದ ಹೆಸರು	ಒಟ್ಟು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ಖರಾಬು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ನಿವ್ವಳ ಕ್ಷೇತ್ರ (ಎ–ಗು.ಆ)
1	2	3	4	5	6
1	ಕುಷ್ಟಗಿ	ಕುಷ್ಟಗಿ	8-31-00	-	8-31-00
2	ಕುಷ್ಟಗಿ	ಟೆಂಗುಂಟಿ	6-06-00	_	6-06-00
3	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಹೊಸೂರು	1-22-12	_	1-22-12
4	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಗೋನಾಳ	1-14-00	-	1-14-00
5	ಕುಷ್ಟಗಿ	ಮಾದಾಪೂರ	8-09-08	-	8-09-08

6	ಕುಷ್ಟಗಿ	ಸಾಸ್ವಿಹಾಳ	13-28-00	_	13-28-00
7	ಕುಷ್ಟಗಿ	ಮುದ್ದಲಗುಂ ದಿ	7-37-00	_	7-37-00
		ಒಟ್ಟು	47-28-04	_	47-28-04

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ. ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 3 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸ ಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:17.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 28(1) ರನ್ವಯ ಅಧಿಸೂಚನೆ.

ಈ ಮುಂದಿನ ಅನುಸೂಚಿಯಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನುಗಳಲ್ಲಿ ಕೊಪ್ಪಳ ಜಿಲ್ಲೆ ಕುಷ್ಟಗಿ ತಾಲ್ಲೂಕಿನ 1)ಕುಷ್ಟಗಿ, 2)ಟೆಂಗುಂಟಿ, 3)ಖಾಲ್ಸಾಹೊಸೂರ, 4)ಖಾಲ್ಸಾಗೊನಾಳ, 5)ಮಾದಾಪೂರ, 6)ಸಾಸ್ಟಿಹಾಳ ಮತ್ತು 7)ಮುದ್ದಲಗುಂದಿ ಗ್ರಾಮಗಳ ಜಮೀನುಗಳಲ್ಲಿ "ಗದಗ–ವಾಡಿ ಹೊಸ ರೈಲ್ವೆ ಮಾರ್ಗ ನಿರ್ಮಾಣದ" ಯೋಜನೆಗಾಗಿ 14ನೇ ಹಂತದಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿಗೆ ಅವಶ್ಯವಿರುತ್ತದೆಯೆಂದು ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ.

ಆದ್ದರಿಂದ 1966 ನೇ ಸಾಲಿನ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966) ರ ಕಲಂ 28ರ ಉಪಕಲಂ(1)ರನ್ವಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಪ್ರಸ್ತುತ ಜಮೀನುಗಳನ್ನು ಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳಲು ಉದ್ದೇಶಿಸಿ ಈ ಮೂಲಕ ಸೂಚನೆ ಕೊಡಲಾಗಿದೆ.

ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಕಲಂ 35 ರ ಉದ್ದೇಶಕ್ಕಾಗಿ ಅಂಥ ಜಮೀನುಗಳಲ್ಲಿ ಪ್ರವೇಶಿಸುವ ವ್ಯಕ್ತಿಗಳೊಡನೆ ಮಧ್ಯೆ ಪ್ರವೇಶಿಸುವದಾಗಲಿ ಆಥವಾ ಅವರನ್ನು ತಡೆಯುವುದಾಗಲಿ ಮಾಡಬಾರದು ಅಂತಾ ಪ್ರಸ್ತುತ ಜಮೀನುಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಇರುವವರಿಗೆಲ್ಲಾ ಈ ಮೂಲಕ ಎಚ್ಚರಿಸಲಾಗಿದೆ. ಸದರಿ ಜಮೀನಿನ ಮಾರಾಟ, ವಿಲೇವಾರಿ, ಗುತ್ತಿಗೆ ಅಡಮಾನ, ಹಸ್ತಾಂತರಣ ವಿನಿಮಯ ಅಥವಾ ಇನ್ನಾವುದೇ ರೀತಿಯ ಒಪ್ಪಂದಗಳನ್ನು ಅಥವಾ ಯಾವೊಂದು ವೆಚ್ಚ ಭೂ ಅಭಿವೃದ್ಧಿಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆಯು ಪ್ರಕಟಗೊಂಡ ದಿನಾಂಕದ ನಂತರ ವಿಶೇಷ ಭೂಸ್ವಾಧೀನ ಆಧಿಕಾರಿಗಳು, ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರ ಮಂಜೂರಾತಿಯನ್ನು ಪಡೆಯದೇ ಮಾಡಿದ ಪಕ್ಷದಲ್ಲಿ ಕೇಂದ್ರಿಯ ಭೂಸ್ವಾಧೀನ ಕಾಯ್ದೆ 1894 ರ ಕಲಂ.24(7) ಮೇರೆಗೆ ಪರಿಹಾರಧನ ಕೊಡಲು ಪರಿಗಣಿಸುವುದಿಲ್ಲವೆಂಬ ಹಾಗೂ ಅಧಿಕೃತವಾಗಿ ಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳಲಾಗುವುದೆಂದು ಈ ಮೂಲಕ ತಿಳಿಯಪಡಿಸಲಾಗಿದೆ.

ಸದರಿ ಜಮೀನಿನ ಒಂದು ಕರಡು ನಕ್ಷೆಯನ್ನು ವಿಶೇಷ ಭೂಸ್ವಾಧೀನ ಅಧಿಕಾರಿಗಳು, ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ, 33/ಎ ಲಕಮನಹಳ್ಳಿ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಪಿ.ಬಿ. ರಸ್ತೆ ಧಾರವಾಡ–580004 ಇವರ ಕಾರ್ಯಾಲಯದಲ್ಲಿ ಪರಿಶೀಲನೆಗಾಗಿ ಇಡಲಾಗಿದೆ.

–:ಅನುಸೂಚಿ:–

ಅ.ನಂ	ಖಾತೆದಾರರ ಹೆಸರು	ಅನುಭವದಾರರ	ರಿ.ಸ.ನಂ.	ಸ್ವಾಧೀನಪಡಿ ಸುವ ಅಂದಾಜು	ಆಕಾರ ಜಮೀನಿನ ರೂ_ ತರಹೆ		ಚಕಬಂದಿ (ಚತು:ಸೀಮೆ)			
		ಹೆಸರು		ವಿಸ್ತೀರ್ಣ (ಎ–ಗು–ಆ)	ಪೈ	308	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
1	2	3	4	5	6	7	8	9	10	11
2	ಸಿಲ್ಲೆ: ಕೊಪ್ಪಳ			ತಾಲ್ಲೂಕ:	ಕುಷ್ಟಗಿ				ಗ್ರಾಮ:	ಕುಷ್ಟಗಿ
1	1)ಸಣ್ಣ ತಿಪ್ಪಣ್ಣ ತಂ. ಹನಮಪ್ಪ ಕಟ್ಟಿಹೊಲ 2)ಭರಮಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಸಣ್ಣಕ್ಕಿ 3)ಹನಮೇಶ ತಂ. ಹನಮಪ್ಪ	ಸ್ವಂತ	346/*	0-01-04	0.08	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ	ಉಳಿದ ಭಾಗ

	ಸಣ್ಣಕ್ಕಿ 4)ಯಮನಪ್ಪ ತಂ. ನಾಗಪ್ಪ									
	ಗದ್ದಿ 5)ಪರಸಪ್ಪ ತಂ. ನಾಗಪ್ಪ ಗದ್ದಿ									
	6)ಗ್ಯಾನಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ಗದ್ದಿ									
	7)ಲಕ್ಷ್ಮವ್ದ ಗಂ. ತೊಂಡೆಪ್ಪ									
	ಮಂಡಲಮರಿ 8)ಮಾನಪ್ಪ ತಂ.									
	ಮಲ್ಲಪ್ಪ ಮಂಡಲಮರಿ									
	9)ರಾಮಣ್ಣ ಉರ್ಫ ರಾಮಪ್ಪ ತಂ.									
	ಮಲ್ಲಪ್ಪ ಮಂಡಲಮರಿ									
	10)ಹನಮಪ್ಪ ತಂ. ಮಾನಪ್ಪ									
	ಮಂಡಲಮರಿ									
	11)ಹನಮಪ್ಪ ತಂ. ಭೀರಪ್ಪ ಕಟ್ಟಿಮನಿ									
	12)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
	13) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
2	ಈರಪ್ಪ ತಂ. ಸಂಗಪ್ಪ ಗಾರಗಿ	ಸ್ವಂತ	351/1	0-00-04	0.01	ಖುಷ್ತಿ	ಭೂಸ್ವಾಧೀನ	ಉಳಿದ	352	ಉಳಿದ
	~ ~	_ ~	1		1	1 3	_ ~	1		

3	1)ಸೂಗಮ್ಮ ಗಂ. ಸಂಗಪ್ಪ ಚಟ್ಟೇರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	٠. ٠					ಪ್ರದೇಶ	ಭಾಗ		ಭಾಗ
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	351/2							
4	ಶಂಕ್ರಪ್ಪ ತಂ. ನಾಗಪ್ಪ ಕುರಿ	ಸ್ವಂತ	351/3							
5	ದೊಡ್ಡವ್ವ ಗಂ. ನಾಗಪ್ಪ ಕುರಿ	ಸ್ವಂತ	351/4							
6	ವೀರಭದ್ರಪ್ಪ ತಂ. ಗುರುಶಾಂತಪ್ಪ ಚಟ್ಟೇರ	ಸ್ವಂತ	351/5							
7	ಹನಮವ್ವ ಗಂ. ಮಹಾದೇವಪ್ಪ	ಸ್ವಂತ	351/2/1							
8	ಈರಪ್ಪ ತಂ. ಸಂಗಪ್ಪ	ಸ್ವಂತ	351/2/2							
9	ಯಲ್ಲಪ್ಪ ತಂ. ಚಂದಪ್ಪ ಕಲಬಂಡಿ	ಸ್ವಂತ	351/2/3							
10	ಬುಡ್ಡಪ್ಪ ತಂ. ಗ್ಯಾನಪ್ಪ ಕೋರಿ	ಸ್ವಂತ	351/2/4							
11	1)ಶ್ರೀವೆಂಕಟೇಶ್ವರದೇವರ ಮಾನೆ	ಸ್ವಂತ	352/*	0-02-08	0.16	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ	ಉಳಿದ	348	351

	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ						ಪ್ರದೇಶ	ಭಾಗ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ									
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,									
	ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ									
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
	1)ಭರಮಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಮೇಟಿ									
	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
10	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ಪೂ	371/1							
12	ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	ಸ್ವಂತ	3/1/1							
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,									
	ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ									
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
12	ರಾಜಾ ಬಸವರಾಜ ಕುದರಿಮೋತಿ ತಂ.	ಸ್ವಂತ	371/2							
13	ಬಸವರಾಜ ಕುದರಿಮೋತಿ	ಜ್ಞಾ	3/1/2	0-06-00	0.45	ಖುಷ್ತಿ	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	372	ಉಳಿದ
1.4	ಸುದೀರ ಕುಮಾರ ಗೋನಾಳಮಠ ತಂ.	ಸ್ವಂತ	371/3	0-00-00	0.43		ಭಾಗ	ಪ್ರದೇಶ	312	ಭಾಗ
14	ಬಸಯ್ಯ ಗೋನಾಳಮಠ	್ಷವಲ	371/3							
15	ಫಕೀರವ್ವ ಗಂ. ಶರಣಪ್ಪ ಸಂಗಟಿ	ಸ್ವಂತ	371/4							
16	ಪ್ರದೀಪ ಗೋನಾಳಮಠ ತಂ. ಬಸಯ್ಯ	ಸ್ವಂತ	371/5							
10	ಗೋನಾಳಮಠ	ವ	,							
17	1)ನಾಗಪ್ಪ ತಂ. ಬಸಪ್ಪ ಚೂರಿ	ಸ್ವಂತ	371/6							
' '	2)ಚಂದ್ರಪ್ಪ ತಂ. ಬಸಪ್ಪ ಚೂರಿ	~	,							
18	ರಾಜಾ ತಂ. ಬಸವರಾಜ ಕುದರಿಮೋತಿ	ಸ್ವಂತ	371/7							
19	ವಿರೇಶ ತಂ. ಬಸವರಾಜ ಕುದರಿಮೋತಿ	ಸ್ವಂತ	371/8							

20	ಚಂದ್ರಶೇಖರ ತಂ. ವಿರುಪಾಕ್ಷಪ್ಪ ಓತಗೇರಿ	ಸ್ವಂತ	371/9							
21	1)ಹಿರೇಹನಮಂತ ತಂ. ತಿಪ್ಪಣ್ಣ ಕಟ್ಟಿಹೊಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	372/1							
22	1)ಸಂಗಮ್ಮ ಗಂ. ವಿರುಪಾಕ್ಷಪ್ಪ ಓತಗೇರಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	372/2	0-14-00	0.70	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373	ಉಳಿದ ಭಾಗ	383
23	1)ವೀರಬಸಪ್ಪ ತಂ. ಬಸೆಟ್ಟೆಪ್ಪ ಕುಂಬಳಾವತಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	372/3						·	
24	1)ಬಸವರಾಜ ತಂ. ಈರಪ್ಪ ಕುಂಬಳಾವತಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	372/4							

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25	ಮೌನೇಶ ತಂ. ಮಾನಪ್ಪ ಕೋರಿ	ತ ೧೦ ಸ್ವ	372/5							
26	ಪರಶುರಾಮ ತಂ. ಮಾನಪ್ಪ ಕೋರಿ	ತ ಸ್ವ	372/6							
27	ಯಮನವ್ವ ಗಂ. ಮಾನಪ್ಪ ಕೋರಿ	ಸ್ವಂತ	372/7	-						
28	1)ಬಾಲಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಿಚಡಿ 2)ಹನಮಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಿಚಡಿ 3)ನಾಗಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಿಚಡಿ	ಸ್ವಂತ	377/1	0-18-08	0.90	ಖುಷ್ತಿ	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	375	378
29	ತಿಪ್ಪಣ್ಣ ತಂ. ಯಮನಪ್ಪ ಪಂಚಮ	ಸ್ವಂತ	377/2			J	ಭಾಗ	ಪ್ರದೇಶ		
30	ಸಂಗಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಪಂಚಮ	ಸ್ವಂತ	377/3							
31	ಮಾಬುಸಾಬ ತಂ. ಹುಸೇನಸಾಬ ಉರ್ಘ ಹಸೇನಸಾಬ ಗುಮಗೇರಿ	ಸ್ವಂತ	378/1							
32	ದ್ರಾಕ್ಷಾಯಿಣಿ ಗಂ. ನಾಗಪ್ಪ ರೇಷ್ಮಿ	ಸ್ವಂತ	378/2							
33	ಪಾರ್ವತೆವ್ವ ಗಂ. ಬಸಪ್ಪ ಕಿಚಡಿ	ಸ್ವಂತ	378/3							
34	1)ಮಾಬುಸಾಬ ತಂ. ಹುಸೇನಸಾಬ ಉರ್ಘ ಹಸನಸಾಬ ಗುಮಗೇರಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	378/4	3-02-00	8.58	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	377	379
35	ಪರಸಪ್ಪ ತಂ. ಲಕ್ಷ್ಮಪ್ಪ ಹನಮಸಾಗರ	ಸ್ವಂತ	378/5							
36	ಶ್ರೀಮತಿ ಗ್ಯಾನಮ್ಮ ಗಂ. ಸಂಗಪ್ಪ ಪಂಚಮ	ಸ್ವ	378/6							

37	1)ಜಿ. ಚಂದನಕುಮಾರ ಉರ್ಫ ಶ್ಯಾಮರಾವ ತಂ. ಸರ್ವೋತ್ತಮರಾವ ಗೋತಗಿ 2)ಜಿ. ವೇಣುಗೋಪಾಲ ತಂ. ಸರ್ವೋತ್ತಮರಾವ ಗೋತಗಿ ಯಮನೂರಸಾಬ ತಂ.	ಸ್ವಂತ ಸ್ವಂತ	378/7							
39	ಮುರ್ತುಜಾಸಾಬ ಗುಮಗೇರಿ ರಾಮಣ್ಣ ತಂ, ಹನಮಂತಪ್ಪ ಹನಮಸಾಗರ	ಸ್ವಂತ	378/9							
40	1)ಬಸಪ್ಪ ತಂ. ಯಲ್ಲಪ್ಪ ಕಟ್ಟಿಹೊಲ 2)ನಿಂಗಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಕಟ್ಟಿಹೊಲ 3)ದೇವಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 4)ದುರಗಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಕಟ್ಟಿಹೊಲದ 5)ಯಮನಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 6)ಹನಮಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 7)ಬಾಳಮ್ಮ ಗಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 8)ಪರಸಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 9)ದೇವಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲದ 10)ಶಿವಪ್ಪ ತಂ. ಆದಪ್ಪ ಗೆಜ್ಜಲಗಟ್ಟಿ 11)ದ್ಯಾಮಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ಕಟ್ಟಿಹೊಲದ 12)ಶರಣಪ್ಪ ತಂ. ಪರಸಪ್ಪ ಕಟ್ಟಿಹೊಲದ 13)ರವಿ ತಂ. ಪರಸಪ್ಪ ಕಟ್ಟಿಹೊಲದ 14) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ਲ ਨੂੰ ਲੋਕ	379/*	0-21-00	1.46	ಋಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	378	380

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	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
41	1)ಖೈರುನಬಿ ಗಂಡ ಬಂದಗಿಸಾಬ ಕಾಯಿಗಡ್ಡಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	380/1							
42	1)ದಾವಲಸಾಬ ತಂ. ಬಂದಿಗಿಸಾಬ ಕಾಯಿಗಡ್ಡಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	380/2	0-11-00	0.75	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	379	394
43	1)ಖೈರುನಬ ಗಂಡ ಬಂದಗಿಸಾಬ ಕಾಯಿಗಡ್ಡಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	380/3							
44	1)ಈರಮ್ಮ ಗಂ. ಈರಪ್ಪ ಕುರನಾಳ	ಸ್ವಂತ	380/4							

	2)ಬಸವಂತಪ್ಪ ಉರ್ಘ ಗುಂಡಪ್ಪ ತಂ. ಶಿವಪ್ಪ ಕುರನಾಳ									
45	ಲಲಿತಾ ಗಂ. ಕಳಕಪ್ಪ ಬಸರಿಗಿಡದ	ಸ್ವಂತ	380/5							
46	ಶರಣಪ್ಪ ತಂ. ಬಸವರಾಜ ಕೌದಿ	ಸ್ವಂತ	380/6	-						
47	ಶಿವಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಕುರನಾಳ	ಸ್ವಂತ	380/7							
48	ಯಮನಪ್ಪ ತಂ. ನಿಂಗಪ್ಪ ಕೌದಿ	ಸ್ವಂತ	380/8							
49	1)ಶಿದ್ದವ್ವ ಗಂ. ಅಂದಾನಪ್ಪ ಚಟ್ಟೇರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	383/1	0-08-00	0.59	ಋಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	373	372	ಉಳಿದ ಭಾಗ
50	ಬೀರಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಬೂದ	ಸ್ವಂತ	383/2							
51	ಸುರೇಶ ತಂ. ಬಾಳಪ್ಪ ಕಟ್ಟಿಹೊಲ	ಸ್ವಂತ	383/3	-						
52	ರಾಮಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಗದ್ದಿ	ಸ್ವಂತ	394/1							
53	1)ಭರಮಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಕಟ್ಟಿಮನಿ 2)ಯಮನಪ್ಪ ತಂ. ಕಟ್ಟೆಪ್ಪ ಕಟ್ಟಿಮನಿ 3)ಪಾಂಡುರಂಗ ತಂ. ಚಿದಾನಂದಪ್ಪ ಕಟ್ಟಿಮನಿ 4)ಶಕುಂತಲಾ ಗಂ. ಲಕ್ಷ್ಮಪ್ಪ ಕಟ್ಟಿಮನಿ	ಸ್ವಂತ	394/2	0-35-00	2.40	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	380	395
54	1)ರಾಜಶೇಖರ ತಂ. ಮರಿಯಪ್ಪ ಕಟ್ಟಿಮನಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	394/3							

	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
55	1)ರಾಜಶೇಖರ ತಂ. ಮರಿಯಪ್ಪ ಕಟ್ಟಿಮನಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	394/4							
56	ಬಸಟ್ಟೆಪ್ಪ ತಂ. ವೀರಪ್ಪ ಕುಂಬಳಾವತಿ	ಸ್ವಂತ	394/5							
57	ದುರಗವ್ವ ಗಂ. ದ್ಯಾಮಣ್ಣ ಗದ್ದಿ	ಸ್ವಂತ	394/.5							
58	ಶರಣಪ್ಪ ತಂ. ಪರಸಪ್ಪ ಗದ್ದಿ	ಸ್ವಂತ	394/6							
59	1)ಹನಮವ್ವ ಗಂ. ಅಹೋಬಲಗೌಡ ಗೌಡ್ರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	395/1/1	0-29-00	2.20	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	394	402

60	1)ಯಮನಮ್ಮ ಗಂ. ದುರಗಪ್ಪ ಕಟ್ಟಿ 2)ಹನಮವ್ವ ಗಂ. ಹೇಮನಗೌಡ ಕಟ್ಟಿ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	395/1/2							
61	1)ಕರಿಯಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಮೆಣಸಗೇರಿ 2)ಕರಿಯಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಮೇಣಸಗೇರಿ 3)ಸಂಗಮ್ಮ ಗಂ. ನಿರುಪಾದಪ್ಪ ಅಡವಿಭಾವಿ 4)ನಿಂಗಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ಮೇಣಸಗೇರಿ	ಸ್ವಂತ	395/2/*							
62	1)ಬಸಮ್ಮ ಗಂ. ಮಹಾಬಳೇಶ್ವರ ಚಟ್ಟೇರ 2)ಬಸಮ್ಮ ಗಂ. ಮಹಾಬಳೇಶ್ವರ ಚಟ್ಟೇರ	ಸ್ವಂತ	402/1				ಉಳಿದ	ಭೂಸ್ವಾಧೀನ		
63	1)ಪಾರ್ವತಿ ಗಂ. ಮಲ್ಲಪ್ಪ ಚಟ್ಟೇರ 2)ರಾಜೇಶ್ವರಿ ಗಂ. ವಿಕ್ರಮ ಲೋಣಿ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	402/2	0-20-00	1.57	ಖುಷ್ಕಿ	ಭಾಗ	ಪ್ರದೇಶ	395	409

	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ		
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ಸಂಗಪ್ಪ ತಂ. ಅಂದಾನಪ್ಪ		
	2)ಮಂಜುನಾಥ ತಂ. ಅಂದಾನಪ್ಪ		
	3)ಶಿದ್ದರಾಮಪ್ಪ ತಂ. ಅಂದಾನಪ್ಪ		
	ಅ.ಸಂ.ತಾಯಿ. ಸುಶೀಲಾ. ಶಿದ್ದವ್ವ ಗಂ.		
	ಅಂದಾನಪ್ಪ ಚಟ್ಟೇರ 4)ಕರ್ನಾಟಕ		
64	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,	ಸ್ವಂತ	402/3
04	ಧಾರವಾಡ ಇವರಿಗೆ-ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ	ے ا	
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
	5)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ		
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ		
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 1)ಯಮನಪ್ಪ ತಂ. ದೇವಪ್ಪ		
	2)ಪರಸಪ್ಪ ದೇವಪ್ಪ ಕಂದಗಲ್		
	3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ		
CF	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ	ಸ್ವಂತ	402/4
65	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ	్ర ప్రా 	102/1
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ		
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ಗ್ಯಾನಪ್ಪ ತಂ. ಚವಡಪ್ಪ		
	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	, ,	100.5
66	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	402/5
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ		

	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
	3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ									
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
	1)ನರಸಪ್ಪ ತಂ. ಚವಡಪ್ಪ									
	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
67	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	402/6							
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ									
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
	1)ಹನಮಂತಪ್ಪ ತಂ.ಮಹಾಲಿಂಗಪ್ಪ									
	ಚಲವಾದಿ(ಮೂಲಿಮನಿ)									
68	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	ಸ್ಪಂತ	409/1/1							
00	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	`a` -								
	ಇವರಿಗೆ-ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ									
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
69	ಮುದಕಪ್ಪ ತಂ. ಯಮನಪ್ಪ	ಸ್ಪಂತ	409/1/2							
09	ಮಂಡಲಮರಿ	ವ	, ,				ಉಳಿದ	ಭೂಸ್ವಾಧೀನ		
70	1)ಶಕುಂತಲಾ ಗಂ. ಸಂಗಪ್ಪ ಬಜಾರದ	ಸ್ವಂತ	409/1/3	0-35-00	2.74	ಖುಷ್ಕಿ	ಭಾಗ	ಪ್ರದೇಶ	402	429
70	2)ಶಕುಂತಲಾ ಗಂ. ಸಂಗಪ್ಪ ಬಜಾರದ	ವ					φοπ	35000		
71	ಶ್ರೀಶೈಲಪ್ಪ ತಂ. ಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ	ಸ್ವಂತ	409/1/4							
72	ಅನುಸೂಯಾ ಗಂ. ಬಸವರಾಜ	ಸ್ವಂತ	409/1/5							
72	ಉರ್ಫ ಬಸಪ್ಪ ಮುಧೋಳ	ಸ್ವರಿ	407/1/3							
73	ಅಶೋಕ ತಂ. ನಿಂಗಪ್ಪ ಭದ್ರಶೆಟ್ಟಿ	ಸ್ವಂತ	409/1/6							
	1)ಬಸವರಾಜ ತಂ. ಬಸಪ್ಪ									
74	2)ಷಣ್ಮೂಖಪ್ಪ ತಂ. ಚನ್ನಬಸಪ್ಪ	ಸ್ವಂತ	409/1/7							
	ಹೊಸವಕ್ಕಲ									

	3)ದೊಡ್ಡಪ್ಪ ತಂ. ಚನ್ನಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ		
	4)ಫಕೀರಪ್ಪ ತಂ. ಚನ್ನಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ		
	5)ಶರಣಪ್ಪ ತಂ. ಚನ್ನಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ		
	6)ನಾಗಪ್ಪ ತಂ. ಚನ್ನಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ		
	7)ಸಿದ್ದಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹೊಸವಕ್ಕಲ		
	8)ಶರಣಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹೊಸವಕ್ಕಲ		
	9)ಕರಬಸಮ್ಮ ಗಂ. ಮಲ್ಲಪ್ಪ ಹೊಸವಕ್ಕಲ		
	10)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ದಿ		
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–		
	ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	್ ಸ್ವಾಧೀನವಾಗಿದೆ		
	ವ. 1)ಅಶೋಕ ತಂ. ನಿಂಗಪ್ಪ ಭದ್ರಶೆಟ್ಟಿ		
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
75	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	409/2/1
75	ಇವರಿಗೆ-ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ	, ప్రైవే	105/2/1
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ವೀರಬಸಮ್ಮ ಗಂ. ಚನ್ನಬಸಪ್ಪ		
	2)ಸಿದ್ದಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹೊಸವಕ್ಕಲ		
	3)ಶರಣಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹೊಸವಕ್ಕಲ		
76	4)ಕರಬಸಮ್ಮ ಗಂ. ಮಲ್ಲಪ್ಪ	ಸ್ವಂತ	409/2/2
	ಹೊಸವಕ್ಕಲ		
	5)ಮಲಿಕಾಜಪ್ಪ ತಂ. ಪಕೀರಪ್ಪ		
	ಹೊಸವಕ್ಕಲ		
	1)ಸಂಗಪ್ಪ ತಂ. ಬಸಪ್ಪ ಎಲಿಗಾರ		400.02.2
77	2)ಶಕುಂತಲಾ ಗಂ. ಸಂಗಪ್ಪ	ಸ್ವಂತ	409/2/3
	1)ಶಕುಂತಲಾ ಗಂ. ಸಂಗಪ್ಪ		
78	್ಲೆ ಹೊಸವಕ್ಕಲ	ಸ್ವಂತ	409/2/4
70	2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	. a -	
	2) 3(33, 333 8). 13 3 3 3		

	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	707	400 /2 /5							
79	ಸಂಗಪ್ಪ ತಂ. ಬಸಪ್ಪ ಹೊಸವಕ್ಕಲ	ಸ್ವಂತ	409/2/5							
80	ಲಕ್ಷ್ಮವ್ವ ಗಂ. ಯಮನಪ್ಪ ಮಂಡಲಮರಿ	ಸ್ವಂತ	409/2/6							
81	1)ವೆಂಕಟೇಶ ಉರ್ಘ ವೆಂಕಪ್ಪಾಚಾರ ತಂ. ಬೋಜಾಚಾರ ಉರ್ಘ ತಮ್ಮಣ್ಣಾಚಾರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವ	429/1	0-17-08	1.38	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	409	430
82	ದುರಗಮ್ಮ ರಾಮಪ್ಪ ಮಂಡಲಮರಿ	ಸ್ವಂತ	429/2							
83	ವೆಂಕಟೇಶಚಾರ ಶ್ರೀನಿವಾಸಚಾರ	ಸ್ವಂತ	429/3							
84	ವೆಂಕಮ್ಮ ಹೆಚ್ ಕುಲಕರ್ಣಿ ಗಂ. ಹನಮಂತರಾವ್ ಕುಲಕರ್ಣಿ	ಸ್ವಂತ	429/4							
85	ಶರಣಪ್ಪ ತಂ. ದೊಡ್ಡಬಸಪ್ಪ ಲಿಂಗಶೆಟ್ರ	ಸ್ವಂತ	430/1/1		0.75	9) > 9,	ಭೂಸ್ವಾಧೀನ	ಉಳಿದ	429	434
86	ದಿನೇಶ ತಂ. ಜಗದೀಶ ಪಾಲಿವಾಲ	ಸ್ವಂತ	430/1/2		0.73	ಖುಷ್ಕಿ	ಪ್ರದೇಶ	ಭಾಗ	427	434

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87	ಮಷ್ಪಾ ಗಂ. ಜಗದೀಶ ಪಾಲಿವಾಲ	ಸ್ವಂತ	430/1/3					
88	ನೀಲಮ್ಮ ಗಂ. ಮಲ್ಲೇಶಪ್ಪ ಹುಲ್ಲಬನ್ನಿ	ಸ್ವಂತ	430/1/4	0-10-00				
	1)ಶರಣಪ್ಪ ತಂ. ದೊಡ್ಡಬಸಪ್ಪ							
	ಲಿಂಗಶೆಟ್ರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ							
89	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ	ಸ್ವಂತ	430/2/1					
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ	ω						
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ							
90	ಶ್ರೀ ಮನೋಹರ ತಂ. ಶಿವಪ್ಪ ಗೆದಿಗೇರಿ	ಸ್ವಂತ	430/2/2					
	1)ಶ್ರೀಮತಿ ನಿರ್ಮಲಾ ಉರ್ಘ ನೀಲಮ್ಮ							
	ಗಂ. ಮನೋಹರ ಗೆದಿಗೇರಿ							
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ							
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ							
91	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ	ಸ್ವಂತ	430/2/3					
	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	∞						
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,							
	್ರ್ಯಾ ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ							
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ							
	1)ನೀಲಮ್ಮೆ ಗಂ. ಮಲ್ಲೇಶಪ್ಪ ಹುಲ್ಲಬನ್ನಿ							
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ							
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ, ಧಾರವಾಡ							
	ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ	ಕ್ಗತ	430/2/4					
92	ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	ಸ್ವಂತ	730/2/4					
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,							
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ							
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ							
			2 525	08-31-				
			ಒಟ್ಟು	00				
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ಜೀ	ಲ್ಲೆ: ಕೊಪ್ಪಳ			ತಾಲ್ಲೂಕ: ಕ	ಕುಷ್ಟಗಿ				ಗ್ರಾಮ: ಟ	ಕೆಂಗುಂಟ
1	ಬಾಲನಗೌಡ ತಂ. ಭೀಮನಗೌಡ	ಸ್ವಂತ	4/1/*							
2	1)ಯಮನಮ್ಮ ಗಂ. ಗ್ಯಾನಪ್ಪ ಜೈನರ 2)ಬಸವಂತಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಜೈನರ	ಸ್ವಂತ	4/2/2				ನ ಎಕ್ಕಾನ -	್ಲೂ ಬಿಸ		
3	1)ಯಮನಮ್ಮ ಗಂ. ಗ್ಯಾನಪ್ಪ ಜೈನರ 2)ಬಸವಂತಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಜೈನರ	ಸ್ವಂತ	4/2/3	0-00-04	0.01	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	5	26
4	ಪರಸಪ್ಪ ತಂ. ಭರಮನಗೌಡ	ಸ್ವಂತ	4/2/5							
5	ಸುಶೀಲವ್ವ ತಂ. ಮಲ್ಲನಗೌಡ	ಸ್ವಂತ	4/2/6	_						
6	ಸಣ್ಣ ಗ್ಯಾನಪ್ಪ ತಂ. ಹನಮಗೌಡ ಜೈನರ	ಸ್ವಂತ	4/2/2							
7	1)ಸಣ್ಣ ಹನಮವ್ವ ಗಂ. ಪರಸಪ್ಪ ಜೈನರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	4/2/4							
8	ಖಬರಸ್ಥಾನ	ಸರಕಾರ	4/3/*							
9	1)ಪಾರ್ವತೆವ್ವ ಗಂ. ಯಮನಪ್ಪ ಹರಿಜನ 2)ಬಸಪ್ಪ ತಂ. ಬಾಳಪ್ಪ ಹರಿಜನ 3)ಗ್ಯಾನಮ್ಮ ಗಂ. ಗ್ಯಾನಪ್ಪ ಹರಿಜನ 4)ಗ್ಯಾನಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಮಾದರ 5)ಯಲ್ಲಮ್ಮ ಗಂ. ಹನಮಪ್ಪಯ್ಯ	ಸ್ವಂತ	5/1/*	0-03-08	0.24	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	6	26

	ニ コース・ショー		1			1			1	
	ಗ್ಯಾನಪ್ಪಯ್ಯನವರ									
	6) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,									
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ									
	ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
	7)ಗ್ಯಾನಮ್ಮ ಗಂ. ಸಂಜೀವಪ್ಪಯ್ಯ									
	ಗ್ಯಾನಪ್ಪಯ್ಯನವರ									
	8) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,									
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ									
	ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
	9) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,									
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ									
	ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
	10)ರೇಣುಕಾ ಗಂಡ ಈರಪ್ಪ									
	ಮಾದರ									
	1)ಹನಮಪ್ಪ ತಂ. ಹನಮಪ್ಪ			-						
	ಬಳಿಗಾರ "									
	2)ರೇಣುಕಾ ಗಂ. ಈರಪ್ಪ ಮಾದರ									
10	3)ಮಾರುತಿ ತಂ. ಮರಿಯಪ್ಪ	ಸ್ವಂತ	5/2/*							
	ಹರಿಜನ									
	4)ಹುಲಿಗೆಮ್ಮ ಗಂ. ದುರಗಪ್ಪ									
	ಮಾದರ									
<u> </u>		l .	1	1	l	1	1	1	1	1

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	5)ಗ್ಯಾನಪ್ಪ ತಂ. ಗಂಗಪ್ಪ ಮಾದರ									
	6)ಹನಮಂತಪ್ಪ ತಂ. ಮರಿಯಪ್ಪ									
	ಮಾದರ 7)ಹನಮಪ್ಪ ತಂ. ಗಂಗಪ್ಪ									
	ಮಾದರ 8)ಮರಿಯಪ್ಪ ತಂ.									
	ಗಂಗಪ್ಪ ಮಾದರ									
	9)ಹಿರೇಹನಮಪ್ಪ ತಂ. ಬಾಳಪ್ಪ									
	ಹರಿಜನ									
	10)ಶರಣಪ್ಪ ತಂ. ಕಂಠೆಪ್ಪ ಹರಿಜನ									
	11)ಬಾಗಪ್ಪ ತಂ. ಕಂಠೆಪ್ಪ ಹರಿಜನ									
	12)ಮಂಜುನಾಥ ತಂ. ಗ್ಯಾನಪ್ಪ									
	ಮಾದರ									
	13)ಯಮನಪ್ಪ ತಂ. ಗಿಡ್ಡಪ್ಪ									
	ಮಾದರ									
	14)ಮಾರುತಿ ತಂ. ಬಾಳಪ್ಪ									
	ಹಿರೇಮನಿ									
	15)ಬಸಪ್ಪ ತಂ. ಗಿಡ್ಡಪ್ಪ ಉರ್ಫ									
	ಹನಮಪ್ಪ ಬಳಿಗೇರ									
	16)ಬಸಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಉರ್ಘ									
	ಗಿಡ್ಡಪ್ಪ ಬಳಗೇರ									
	1)ವೀರಬಸಪ್ಪ ತಂ. ಪರಪ್ಪ									
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ						ಿ ಸಂಪಾರ್ಗಿನ 	ಉಳಿದ		
11	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,	ಸ್ವಂತ	6/1	0-14-00	0.97	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಭಾಗ	96	ಗಡಿ
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ						<u> </u>	φοιι		
	ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂಸ್ವಾಧೀನವಾಗಿದೆ									

12	1)ಬಸಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ನವಲಹಳ್ಳಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	6/2							
13	1)ವಿರುಪನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	18/ಆ	0-24-08	1.81	ಋಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	19	ಗಡಿ
14	1)ನಿಂಗನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ ಪಾಟೀಲ 2)ಬಸನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ ಪಾಟೀಲ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ	ಸ್ವ	18/2							

	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
15	1)ಸಣ್ಣ ಸಂಗಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಅಂಗಡಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	18/3
16	ಅಮರಪ್ಪ ತಂ. ಸಿದ್ದಪ್ಪ ಮಂಗಳೂರ	ಸ್ವಂತ	18/4
17	1)ಮಾಂತೇಶ ತಂ. ರಾಚಪ್ಪ ಅಂಗಡಿ 2)ಹಿರೇಸಂಗಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಅಂಗಡಿ	ಸ್ವಂತ	18/5
18	1)ಶ್ರೀ ಅಮರಪ್ಪ ತಂ.ಸಿದ್ದಪ್ಪ ಮಂಗಳೂರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	18/6

19	1)ಶ್ರೀ ಶರಣಪ್ಪ ತಂ. ಆದಪ್ಪ ಗೆಜ್ಜಲಗಟ್ಟಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	18/7							
20	ಶ್ರೀ ಶಿವ್ವಪ್ಪ ತಂ. ಆದಪ್ಪ ಗೆಜ್ಜಲಗಟ್ಟಿ	ಸ್ವಂತ	18/8							
21	1)ನಾಗನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	19/1	0-07-08	0.59	ಖುಷ್ತಿ	ಭೂಸ್ವಾದೀನ	ಉಳಿದ	21	18
22	1)ಬಸನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	19/2	0-07-06	0.37	್ಲಿ ಎಸ್ಟ್ ಪ್ರಾಸ್ತ್ರ ಮಾಡ್ಡು	ಪ್ರದೇಶ	ಭಾಗ	21	10
23	ಪರಸಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ ಚೌಡ್ಕಿ	ಸ್ವಂತ	21/1	0-09-00	0.62	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ	ಉಳಿದ	22	19
24	ಗ್ಯಾನಪ್ಪ ತಂ. ಪರಸಪ್ಪ ಜೈನರ	ಸ್ವಂತ	21/2				ಪ್ರದೇಶ	ಭಾಗ		

25	ಸಂಗಮ್ಮ ಗಂ. ವೀರನಗೌಡ ಕೆಂಚನಗೌಡರ	ಸ್ವಂತ	21/3							
26	ಸಣ್ಣಗ್ಯಾನಪ್ಪ ತಂ.ಹನಮಗೌಡ ಜೈನರ	ಸ್ವಂತ	21/4							
27	1)ಸಣ್ಣ ಗ್ಯಾನಪ್ಪ ತಂ. ಹನಮಗೌಡ ಜೈನರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	21/5							
28	ಗ್ಯಾನಪ್ಪ ತಂ. ಗ್ಯಾನಪ್ಪ ಜೈನರ	ಸ್ವಂತ	21/6							
29	ಬಸವರಾಜ ತಂ. ಪರಸಪ್ಪ ಜೈನರ	ಸ್ವಂತ	21/7							
30	1)ಗುರಪ್ಪ ತಂ.ಬಸಪ್ಪ ಅಬ್ಬಿಗೇರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	22/1	0-19-00	1.21	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	31	21
31	1)ಶರಣಪ್ಪ ತಂ. ಕಾಂತಪ್ಪ ಅಬ್ಬಿಗೇರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	22/2				<u> </u>	φση		

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	ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 1)ಕಳಕಪ್ಪ ತಂ. ಸುರೇಶ ಅಬ್ಬಿಗೇರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ						
32	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	22/3				
33	1)ರೇಣುಕಮ್ಮ ಗಂ. ಶ್ರೀಕಾಂತಪ್ಪ ಉರ್ಘ ಕಾಂತಪ್ಪ ಅಬ್ಪಿಗೇರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	22/4				

34	1)ದುರಗಪ್ಪ ತಾಯಿ ಮರಿಯವ್ವ 2)ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ ಭೂಸ್ವಾಧೀನವಾಗಿದೆ.	ಸ್ವಂತ	25/1							
35	1)ಹಿರೇಶಾಂತವ್ವ ಗಂ.ಹನಮಪ್ಪ ಆಡಿನ 2)ಸಣ್ಣ ಶಾಂತವ್ವ ಗಂ. ದೊಡ್ಡಪ್ಪ ಆಡಿನ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	25/2	0-06-04	0.19	ಋಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	26	30
36	ಪಹಣಿ ಪತ್ರಿಕೆ ಪ್ರಕಾರ	_	25/3							
37	1)ಗಂಗಪ್ಪ ತಾಯಿ ಮರಿಯವ್ವ 2)ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ ಭೂಸ್ವಾಧೀನವಾಗಿದೆ. 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	25/4							

	ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ ಜಿನುಗು									
38	ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ	ಸರಕಾರ	25/5							
	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ.									
	1)ಗ್ಯಾನಪ್ಪ ತಂ. ದುರಗಪ್ಪ									
	2)ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ									
	ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ									
	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ. 3) ಕರ್ನಾಟಕ									
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ									
39	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ-	ಸ್ವಂತ	25/6							
33	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ವ								
	ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ									
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ									
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ ಜಿನುಗು									
40	ಕರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ	ಸರಕಾರ	25/7							
40	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ.	2000	23/1							
	1)ಮರಿಯಪ್ಪ ತಾಯಿ ಮರಿಯವ್ವ									
	2)ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ									
41	್ತೆ ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ	ಸ್ವಂತ	25/8							
	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ.									
	1)ಶಿವಶಂಕರಪ್ಪ ವೀರಪ್ಪ									
	2)ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ						ಿ ಗಾಗೀನ 	ಉಳಿದ		
42	ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ	ಸ್ವಂತ	26/1	0-04-12	0.33	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಕುಳಿದ ಭಾಗ	5	25
	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ. 3)ಕರ್ನಾಟಕ						3,000	φοπ		
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ									

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	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ-		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ರಾಮಚಂದ್ರ ತಂ. ಸತ್ಯಪ್ಪ		
	ಚಲವಾದಿ	-	26/2
43	2)ಮಹಾಂತವ್ವ ಗಂ. ಲಕ್ಷ್ಮಣ	ಸ್ವಂತ	26/2
	ಚಲವಾದಿ		
	ಖಾದರಸಾಬ ತಂ. ಹುಸೇನಸಾಬ	ಕ್ಷೂತ	26/3
44	ಬಿಳಿಕುದರೆ	ಸ್ವಂತ	20/3
	ಮೌಲಾಸಾಬ ತಂ. ಹುಸೇನಸಾಬ		26.14
45	ಬಿಳಿಕುದರೆ	ಸ್ವಂತ	26/4
46	ಶಿವುಮತ್ರಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಅಬ್ಬಿಗೇರ	ಸ್ವಂತ	26/5
	1)ಶ್ಯಾಮವ್ವ ಗಂ. ಸುರೇಶ		
	ಅಬ್ಬಿಗೇರ		
	2) ಟೆಂಗುಂಟಿ ಗ್ರಾಮದ ಹತ್ತಿರ		
	ಜಿನುಗು ಕೆರೆ ನಿರ್ಮಾಣಕ್ಕಾಗಿ		
	ಭೂಸ್ವಾಧೀನವಾಗಿದೆ.	٠,٠	26.16
47	3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	ಸ್ವಂತ	26/6
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–		
	ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
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48	1)ತಿಪ್ಪವ್ವ ಗಂ. ಮುದಕಪ್ಪ ಮಾದರ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	30/1							
49	ಸ್ವಾಧೀನವಾಗಿದೆ 1)ದುರಗಮ್ಮ ತಂ. ದುರಗಪ್ಪ 2)ಮರಿಯಪ್ಪ ತಂ. ದುರಗಪ್ಪ 3)ಹನಮಪ್ಪ ತಂ. ದುರಗಪ್ಪ 4) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 5) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	30/2	0-24-04	1.80	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	25	31

50	1)ಮರಿಯಪ್ಪ ತಾಯಿ ಹನಮವ್ವ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	30/3
51	1)ಶರಣಪ್ಪ ತಂ. ಮುದಕಪ್ಪ ಟೆಂಗುಂಟಿ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	30/4
52	1)ಹುಲಿಗೆಮ್ಮ ಗಂ. ದುರಗಪ್ಪ ಟೆಂಗುಂಟಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	30/5

53	1)ದುರಗಮ್ಮ ತಂ. ದುರಗಪ್ಪ ಟೆಂಗುಂಟಿ ಉರ್ಘ ಮಾದರ 2)ಯಮನೂರ ತಂ. ಮರಿಯಪ್ಪ ಟೆಂಗುಂಟಿ ಉರ್ಘ ಮಾದರ 3)ಸುಶೀಲಮ್ಮ ಗಂ. ಅಂಬಣ್ಣ ಟೆಂಗುಂಟಿ ಉರ್ಘ ಮಾದರ	ಸ್ವಂತ	30/6							
54	ಸುಶೀಲಮ್ಮ ಗಂ. ಅಂಬಣ್ಣ ಟೆಂಗುಂಟಿ ಉರ್ಫ ಮಾದರ	ಸ್ವಂತ	30/7							
55	ಯಮನೂರ ತಂ. ಮರಿಯಪ್ಪ ಮಾದರ	ಸ್ವಂತ	30/8							
56	1)ಬಾಳಪ್ಪ ತಂ. ಭರಮಪ್ಪ 2)ಮರಿಯಪ್ಪ ತಂ. ಭರಮಪ್ಪ	ಸ್ವಂತ	30/9							
57	ಪಂಪನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ ಪೋಲಿಸಪಾಟೀಲ	ಸ್ವಂತ	31/1							
58	ಬಸನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ ಪೋಲಿಸಪಾಟೀಲ	ಸ್ವಂತ	31/2							
59	ಸುನೀಲ್ ತಂ. ಹೊಳಿಯಪ್ಪ ಬನ್ನಿಗೋಳ	ಸ್ವಂತ	31/3							
60	ರಾಜೇಶ ಉರ್ಘ ರಾಜಪ್ಪ ತಂ. ಹನಮಂತಪ್ಪ ಬೈಲಪತ್ತಾರ	ಸ್ವಂತ	31/4	0-00-08	0.01	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	30	22
61	ರಾಜೇಶ ತಂ. ಹನಮಂತಪ್ಪ ಬೈಲಪತ್ತಾರ	ಸ್ವಂತ	31/5							
62	ಮಲ್ಲಮ್ಮ ಗಂ. ಹೊಳಿಯಪ್ಪ ಬನ್ನಿಗೋಳ	ಸ್ವಂತ	31/6							
63	ಶ್ಯಾಮಣ್ಣ ತಂ. ಹೊಳಿಯಪ್ಪ ಬನ್ನಿಗೋಳ	ಸ್ವಂತ	31/7							

64	ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸರಕಾರ	31/8							
65	ಪಂಪನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ	ಸ್ವಂತ	66/1							
66	ಶಾಂತಗೌಡ ತಂ. ನಿಂಗನಗೌಡ	ಸ್ವಂತ	66/2							
67	1)ಬಸನಗೌಡ ತಂ. ಶಿದ್ದನಗೌಡ ಪಾಟೀಲ 2) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	66/3							
68	1)ರುಕಮುನಿಯಮ್ಮ ಗಂ. ಅಯ್ಯಪ್ಪ ಹಡಪದ 2)ಗೌರಮ್ಮ ಗಂ. ಬೂದಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	66/4	0-07-08	0.46	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	101
69	1)ದೊಡ್ಡನಗೌಡ ತಂ. ಶಾಂತಗೌಡ 2)ವೀರನಗೌಡ ತಂ. ಶಾಂತಗೌಡ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	66/5							

70	1)ವಿರುಪನಗೌಡ 2)ವಿರುಪನಗೌಡ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	66/6							
71	ಬಸನಗೌಡ ತಂ. ವಿರಪನಗೌಡ	ಸ್ವಂತ	66/7							
72	ಮಾದೇಗೌಡ ತಂ. ಭೀಮನಗೌಡ ಪೋಲಿಸ್ ಪಾಟೀಲ	ಸ್ವಂತ	66/8							
73	ಮಲ್ಲನಗೌಡ ಪಾಟೀಲ್ ತಂ. ದೊಡ್ಡನಗೌಡ	ಸ್ವಂತ	66/9							
74	ಚಿನ್ನಪ್ಪ ತಂ. ಬಸಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	68/1							
75	ಬಾಬುಸಾಬ್ ತಂ. ಮಾಬುಸಾಬ ಸುಂಕದ	ಸ್ವಂತ	68/2							
76	ದೊಡ್ಡಪ್ಪ ತಂ. ಕಳಕಪ್ಪ	ಸ್ವಂತ	68/3							
77	1)ಯಂಕಮ್ಮ ಗಂ. ಹಿರೇಬೂದೆಪ್ಪ 2)ಹಿರೇದೊಡ್ಡಪ್ಪ ತಂ. ಆದಿಬಸಪ್ಪ 3)ಸಣ್ಣದೊಡ್ಡಪ್ಪ ತಂ. ಆದಿಬಸಪ್ಪ 4)ವಿರುಪಣ್ಣ ತಂ. ಆದಿಬಸಪ್ಪ 5)ಹನಮಂತಪ್ಪ ತಂ. ಆದಿಬಸಪ್ಪ	ಸ್ವಂತ	68/4	1-05-08	1.29	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಗಡಿ	ಉಳಿದ ಭಾಗ
78	1) ದೊಡ್ಡಪ್ಪ ತಂ. ಕಳಕಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	ಸ್ವಂತ	68/5							

	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,									<u> </u>
	ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ									
	ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
79	ಶರಣವ್ವ ತಂ. ಮಹಾದೇವಪ್ಪ	ಸ್ವಂತ	68/6							
80	1)ಅಯ್ಯಪ್ಪ ತಂ. ಚನ್ನಪ್ಪ 2)ದೊಡ್ಡಪ್ಪ ತಂ. ಚನ್ನಪ್ಪ 3)ಶರಣಪ್ಪ ತಂ. ಚನ್ನಪ್ಪ	ಸ್ವಂತ	68/7							
81	ದೊಡ್ಡಪ್ಪ ಉರ್ಘ ದೊಡ್ಡಬಸಪ್ಪ ತಂ. ಚಿನ್ನಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	68/8							
82	ರೇಣುಕಾದೇವಿ ಗಂ. ಬೂದೆಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	68/9							
83	ಶಾಂತಮ್ಮ ಗಂ. ಮಲ್ಲನಗೌಡ ಮೇಟಿ	ಸ್ವಂತ	69/1/1							
84	ಶರಣಮ್ಮ ಗಂ. ಶಿವಪ್ಪ ಆಡಿನ	ಸ್ವಂತ	69/1/2							
85	ಗ್ಯಾನಪ್ಪ ತಂ. ಹೊಳೆಯಪ್ಪ ಆಡಿನ	ಸ್ವಂತ	69/1/3							
86	ಶಾಂತವ್ವ ಗಂ. ಮಲ್ಲಪ್ಪ ವಾಲಿಕಾರ	ಸ್ವಂತ	69/1/4							
87	1)ಶಾಂತಮ್ಮ ಗಂ. ಮಲ್ಲನಗೌಡ ಮೇಟಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	69/1/5	0-04-00	0.14	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	73
88	ವಿಜಯಲಕ್ಷ್ಮೀ ಗಂ. ಚೋಳರಾಜ ಹಿರೇಮನಿ	ಸ್ವಂತ	69/2/1							

89	ಬಾಳವ್ವ ಗಂ. ಗ್ಯಾನಪ್ಪ ಚೌಗುಡತಿ	ಸ್ವಂತ	69/2/2							
90	1)ಭೀಮಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	69/2/3							
91	ವಿಜಯಲಕ್ಷ್ಮೀ ಗಂ. ಚೋಳರಾಜ ಹಿರೇಮನಿ	ಸ್ವಂತ	69/2/4							
92	ಸಂಗಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ ಚೌಗುಡ್ತಿ	ಸ್ವಂತ	69/2/5							
93	ಭರಮಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಚೌಗುಡತಿ	ಸ್ವಂತ	69/2/6							
94	ಕರಿಯಮ್ಮ ಗಂ. ದೇವಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	73/1							
95	1)ಕಳಕಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಹಡಪದ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	73/2	0-10-00	0.43	ಋಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	69	74

96	1)ಬಸಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹಡಪದ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	73/3
97	1)ಕಳಕಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಹಡಪದ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	73/4
98	ಬಸಪ್ಪ ತಂ. ಕಳಕಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	73/5
99	ದೊಡ್ಡನಗೌಡ ತಂ. ಶಾಂತಗೌಡ ಮಾ.ಪಾ	ಸ್ವಂತ	73/6
100	ನೀಲಮ್ಮ ಉರ್ಘ ಕಳಕಮ್ಮ ಗಂ. ನಿಂಗಪ್ಪ ಹಡಪದ	ಸ್ವಂತ	73/7

101	1)ಹಿರೇಮಲ್ಲಪ್ಪ ತಂ. ಮಹಾದೇವಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	74/1							
102	1)ಸಣ್ಣ ಮಲ್ಲಪ್ಪ ತಂ. ಮಹಾದೇವಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	74/2	0-03-08	0.12	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	73	66
103	1)ಶರಣಪ್ಪ ತಂ. ಗ್ಯಾನಪ್ಪ 2)ಬಸಪ್ಪ ತಂ. ಗ್ಯಾನಪ್ಪ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	74/3							
104	ದುರಗಪ್ಪ ತಂ. ರಾಜಪ್ಪ ಮಾದರ ಮಾರುತಿ ತಂ. ರಾಜಪ್ಪ ಮಾದರ	ಸ್ವಂತ ಸ್ವಂತ	96/1/1	0-17-00	1.09	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	100	6

106	ಮಾರುತಿ ತಂ. ರಾಜಪ್ಪ ಮಾದರ	ಸ್ವಂತ	96/1/3							
107	ಮರಿಯಪ್ಪ ತಂ. ರಾಜಪ್ಪ ಮಾದರ	ಸ್ವಂತ	96/1/4							
108	ಮರಿಯಪ್ಪ ತಂ. ರಾಜಪ್ಪ ಮಾದರ	ಸ್ವಂತ	96/1/5							
109	ಸಾವಿತ್ರಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ನವಲಹಳ್ಳಿ	ಸ್ವಂತ	96/2/1							
110	ಶರಣಪ್ಪ ತಂ. ವೀರಬಸಪ್ಪ	ಸ್ವಂತ	96/2/2							
111	ಸಂಗಪ್ಪ ತಂ. ವೀರಬಸಪ್ಪ	ಸ್ವಂತ	69/2/3							
112	1)ನಿಂಗಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	99/1/1	0-08-00	0.47	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	101	ಗ್ರಾಮ
113	1)ಬಸಪ್ಪ ತಂ. ಬೆಳಗಲ್ಲಪ್ಪ ಕಂಬಳಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	99/1/2							

114	1)ಬಸಪ್ಪ ತಂ. ಬೆಳಗಲ್ಲಪ್ಪ ಕಂಬಳಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	99/1/3							
115	ನಿಂಗಪ್ಪ ತಂ. ಶರಣಪ್ಪ ಕಂಬಳಿ	ಸ್ವಂತ	99/1/4							
116	ಶರಣಪ್ಪ ತಂ. ಬೆಳಗಲ್ಲಪ್ಪ ಕಂಬಳಿ	ಸ್ವಂತ	99/1/5							
117	ಶರಣಪ್ಪ ತಂ. ಬೆಳಗಲ್ಲಪ್ಪ ಕಂಬಳಿ	ಸ್ವಂತ	99/1/6							
118	ಶಾಂತಗೌಡ ನಿಂಗನಗೌಡ	ಸ್ವಂತ	99/2/1							
119	ಶರಣಮ್ಮ ಗಂ. ದೊಡ್ಡನಗೌಡ ಮಾಲಿಪಾಟೀಲ	ಸ್ವಂತ	99/2/2							
120	ವಿರುಪನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ	ಸ್ವಂತ	99/2/3							
121	ಶ್ಯಾಮಲಮ್ಮ ಗಂ. ವೀರುಪನಗೌಡ ಪೋಲಿಸ್ ಪಾಟೀಲ	ಸ್ವಂತ	99/2/4							
122	1)ಶಿದಲಿಂಗಯ್ಯ ತಂ. ಚಂದ್ರಶೇಖರಯ್ಯ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–	ಸ್ವಂತ	100/*	0-10-08	0.68	ಖುಷ್ತಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	99	ಗ್ರಾಮ

	ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
123	1)ಕರಡೆಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ 2)ಗುಂಡಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ 3)ಭೀಮಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ 4)ನೀಲಮ್ಮ ಗಂ. ಅಯ್ಯಪ್ಪ ಕಂಬಳಿ 5)ಹನಮಪ್ಪ ತಂ. ಕರಡೆಪ್ಪ ಕಂಬಳಿ 6)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 7)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವ ಸ್ವ	101/1/1	0-26-08	1.17	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	66	99
124	1)ಕರಡೆಪ್ಪ ತಂ. ಅಯ್ಯಪ್ಪ 2)ಕರಿಯಪ್ಪ ತಂ. ಅಯ್ಯಪ್ಪ	ಸ್ವಂತ	101/1/2							
125	1)ಫರೀದಾ ಬೇಗಂ ತಂ. ಶರೀಫಸಾಬ ಪಿಂಜಾರ	ಸ್ವಂತ	101/2/1							

	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ						
126	1)ಶಿದ್ದಪ್ಪ ತಂ. ಶಿದ್ದಪ್ಪ ಕರಿಗಾರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವ	101/2/2				

127	3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	101/2/3				
128		ಸ್ವಂತ	101/2/4				
129	ಶಿವಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ	ಸ್ವಂತ	101/3/1				
130	1)ಶೇಖರಗೌಡ ತಂ. ದಾನನಗೌಡ ಪಾಟೀಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	101/3/2				
131	1)ಬಸನಗೌಡ ತಂ. ವಿರುಪನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	101/3/3				

32	ಸಂಗಪ್ಪ ತಂ. ಅಮರಪ್ಪ ಬಿಜಕಲ್ಲ	ಸ್ವಂತ	101/3/4
133	1)ಮಲ್ಲನಗೌಡ ಪಾಟೀಲ್ ತಂ. ದೊಡ್ಡನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	101/3/5
34	1)ಮಾದೇವಗೌಡ ತಂ. ಭೀಮನಗೌಡ ಹೋಲಿಸ್ ಪಾಟೀಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	101/3/6
135	ಶರಣಪ್ಪ ತಂ. ದಾನನಗೌಡ ಪಾಟೀಲ	ಸ್ವಂತ	101/3/7

139	1) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ. 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸರಕಾರ	101/4/4							
140	1)ಮುತ್ತಣ್ಣ ತಂದೆ ನಿಂಗಪ್ಪ ಕಂಬಳಿ 2)ಬಸವರಾಜ ತಂ. ನಿಂಗಪ್ಪ ಕಂಬಳಿ	ಸ್ವಂತ	101/4/5							
			ಒಟ್ಟು	6-06-0						
ಜಿಲ್ಲೆ	: ಕೊಪ್ಪಳ		1	ತಾಲ್ಲೂಕ: ಕು	ಷ್ಟಗಿ	1	1	ಗ್ರಾವ	b: ಖಾಲ್ಸಾ	ಹೊಸೂರ
1	1)ಹುಸೇನಬಿ ಗಂ. ಹುಸೇನಸಾಬ ತಳವಾರ 2)ಬುಡ್ಡಿಮಾ ಗಂ. ಮಹ್ಮದಸಾಬ ವಾಲಿಕಾರ 3)ಈರಮ್ಮ ಗಂ. ಸಣ್ಣಭೀಮಪ್ಪ ಮಡಿವಾಳರ	ಸ್ವಂತ	17/1	0-12-00	0.32	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	24
2	ದೊಡ್ಡಬಸಪ್ಪ ತಂ. ಛತ್ರಪ್ಪ ಮಡಿವಾಳರ	ಸ್ವಂತ	17/2							
3	1)ದೊಡ್ಡಪ್ಪ ತಂ. ಕನಕಪ್ಪ	ಸ್ವಂತ	17/3							

	2)ಮರಿಯಪ್ಪ ತಂ. ಬಸಪ್ಪ									
	ಮಡಿವಾಳರ									
	3)ಕನಕರಾಯ ತಂ.									
	ಛತ್ರಪ್ಪಮಡಿವಾಳರ									
	4)ನಿಂಗಪ್ಪ ತಂ. ಛತ್ರಪ್ಪ ಮಡಿವಾಳರ									
	5)ಯಮನೂರಪ್ಪ ತಂ. ಛತ್ರಪ್ಪ									
	ಮಡಿವಾಳರ									
4	ಅಮರೇಶ ತಂ. ಛತ್ರಪ್ಪ ಮಡಿವಾಳರ	ಸ್ವಂತ	17/4							
	1)ವೀರಭದ್ರಪ್ಪ ತಂ. ಕನಕಪ್ಪ			-						
	ಮಡಿವಾಳರ									
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
5	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,	ಸ್ವಂತ	17/5							
	ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–									
	ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
6	ದೊಡ್ಡಪ್ಪ ತಂ. ಕನಕಪ್ಪ ಮಡಿವಾಳರ	ಸ್ವಂತ	17/6							
7	ಚಂದಪ್ಪ ತಂ. ನಿಂಗಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	17/7							
	1)ಲಕ್ಷ್ಮೀದೇವಿ ಗಂ. ಭೀಮಣ್ಣ ಹೂಗಾರ									
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ	, ,			0.10		ಉಳಿದ	ಭೂಸ್ವಾಧೀನ		ಉಳಿದ
8	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	24/*	0-05-04	0.12	ಖುಷ್ಕಿ	ಭಾಗ	್ವ . ಪ್ರದೇಶ	17	ಭಾಗ
	3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									•
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
	ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ									
	ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									

9	1)ಈರಪ್ಪ ತಂ. ರುದ್ರಪ್ಪ 2)ಶ್ರೀ ಮೆ.ಮಾ.ನೀಲಕಂಠ ಸ್ವಾಮಿಗಳು ಶ್ರೀ ಮೆ.ಮಾ.ಬಸವಚಾರ್ಯರು 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ– ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 5)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವ	45/*	0-11-00	0.38	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಗಡಿ
10	ಅಕ್ಕಮಹಾದೇವಿ ಗಂ. ಮಹೇಶ ನಾಯಕವಾಡಿ	ಸ್ವಂತ	46/1							
11	1)ಸಂಗಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಹಡಪದ 2)ಪ್ರೇಮಮ್ಮ ಗಂ. ದೊಡ್ಡಪ್ಪ ಹಡಪದ 3)ಹನಮಪ್ಪ ತಂ.ಶಿವಬಸಪ್ಪ ಹಡಪದ 4)ದೇವೇಂದ್ರಕುಮಾರ ತಂ. ಶಿವಬಸಪ್ಪ ಗರ್ಜನಾಳ	ಸ್ವಂತ	46/2	0-34-08	1.39	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಗಡಿ
12	1)ಶಕೀನವ್ವ ಗಂ.ಶಾಮೀದಸಾಬ ನದಾಫ್ 2)ಹುಸೇನಬೀ ಗಂ. ಶರೀಫ್ ಸಾಬ	ಸ್ವಂತ	46/3							

13	1)ಶಂಕ್ರಮ್ಮ ತಂ. ಗೂಳಪ್ಪ ಹಡಪದ 2)ಪರಸಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕಂಬಳಿ	ಸ್ವಂತ	46/4							
			ಒಟ್ಟು	1-22-12						
ಜಿಲ್ಲೆ	: ಕೊಪ್ಪಳ			ತಾಲ್ಲೂಕ: ಕು	<u>រ</u> ដ្ឋក			ಗ್ರಾ	ರು: ಖಾಲ್ಸಾ	ಗೊನಾಳ
1	1)ಮೌನೇಶ ತಂ. ಕಲ್ಲಪ್ಪ ವಣಕೇರಿ 2)ಅಮರಪ್ಪ ತಂ. ಕಲ್ಲಪ್ಪ ವಣಕೇರಿ	ಸ್ವಂತ	43/1/1							
2	ದೊಡ್ಡಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ	ಸ್ವಂತ	43/1/2							
3	ಶಾಂತಮ್ಮ ಗಂ. ಭೀಮಪ್ಪ ಸಿಡ್ಲಭಾವಿ	ಸ್ವಂತ	43/1/3							
4	ದೊಡ್ಡಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ	ಸ್ವಂತ	43/1/4							
5	ದೊಡ್ಡಬಸಪ್ಪ ತಂ. ಕೂಡ್ಲೆಪ್ಪ ವಣಕೇರಿ	ಸ್ವಂತ	43/1/5							
6	ದೊಡ್ಡಮ್ಮ ಉರ್ಘ ಅಮರಮ್ಮ ಗಂ. ಬಾಳಪ್ಪ ವಣಕೇರಿ	ಸ್ವಂತ	43/1/6							
7	ಬಸಮ್ಮ ಗಂ. ದೊಡ್ಡಪ್ಪ ಗೋತಗಿ	ಸ್ವಂತ	43/1/7		0.73	ಖುಷ್ತಿ	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	ಉಳಿದ	59
8	1)ಪಾರ್ವತಿ ಗಂ. ರಾಮಪ್ಪ ಗೋತಗಿ 2)ಬಸಮ್ಮ ಗಂ. ಯಮನಪ್ಪ ಗೋತಗಿ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–	ಸ್ವಂತ	43/2/1	1-00-00	0.73	~~~~ <u>~</u>	ಭಾಗ	ಪ್ರದೇಶ	ಭಾಗ	

	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
9	1)ಹನಮಪ್ಪ ತಂ. ಚಂದಪ್ಪ ಗೋತಗಿ 2)ಪರಸಪ್ಪ ತಂ. ಚಂದಪ್ಪ ಗೋತಗಿ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	43/2/2							
10	1)ಹನಮಂತ ತಂ. ಪರಸಪ್ಪ ಗೋತಗಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	43/2/3							
11	ಕನಕಪ್ಪ ತಂ. ಪರಸಪ್ಪ ಗೋತಗಿ	ಸ್ವ ಸ್ವ	43/2/4							
12	1)ನಾಗನಗೌಡ ತಂ. ವೀರನಗೌಡ ಹುನಕುಂಟಿ 2)ಕಾಂತಗೌಡ ತಂ. ವೀರನಗೌಡ ಹುನಕುಂಟಿ 3)ದೇವರೆಡ್ಡಿ ತಂ. ವೀರನಗೌಡ	ಸ್ವಂತ	59/1	0-08-00	0.47	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	43	ಉಳಿದ ಭಾಗ

	ಹುನಕುಂಟಿ		
	4)ಕಾಂತಗೌಡ ತಂ. ವೀರನಗೌಡ		
	ಹುನಕುಂಟಿ		
	5)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	6)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದ್ದೆ 7)ಕರ್ನಾಟಕ		
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ		
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ-		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ಮಲ್ಲಿಕಾರ್ಜುನಗೌಡ ತಂ.		
	ಸೋಮನಗೌಡ ಹುನಕುಂಟಿ		
	2)ವೀರೇಶ ತಂ. ಶಿವನಗೌಡ		
	ಹುನಕುಂಟಿ		
13	3)ಶರಣಗೌಡ ತಂ. ಸೋಮನಗೌಡ	ಸ್ವಂತ	59/2
13	ಹುನಕುಂಟಿ		
	4)ಶಶಿಧರಗೌಡ ತಂ.		
	ಸೋಮನಗೌಡ ಹುನಕುಂಟಿ		
	5)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		

	ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 6)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
	7.55 P. (10001100		ಒಟ್ಟು	1-14-00						
ಜಿಲ್ಲ	: ಕೊಪ್ಪಳ			ಶಾಲ್ಲೂಕ: ಕು	ಷ್ಟಗಿ			<u> </u>	⊤ಗ್ರಾಮ:ಮ	ದಾಪೂರ
1	ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸರಕಾರ	1/1	0-22-00						
2	ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸರಕಾರ	1/2		0.67	ಋಷ್ಕಿ	ಉಳಿದ ುಷ್ಕಿ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	2	ಗ್ರಾಮ
3	ಸಂಗಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ	ಸ್ವಂತ	1/3							
4	1)ರಾಮನಗೌಡ ತಂ.ಬಾಳನಗೌಡ ಮಾಲಿಪಾಟೀಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	1/4							

5	ಯಮನೂರಪ್ಪ ತಂ. ಅಮರಪ್ಪ	ಸ್ವಂತ	1/5							
6	ಬಸವರಾಜ ತಂ. ಶಿವಶಂಕರ ನಾಡಗೌಡ	ಸ್ವಂತ	1/6							
7	1)ದೊಡ್ಡಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ಗಡ್ಡದ 2)ಬಾಲಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ಗಡ್ಡದ	ಸ್ವಂತ	1/7							
8	1)ಶೇಖರಗೌಡ ತಂ. ಅಮರೇಶಪ್ಪ ನಾಡಗೌಡ್ರ 2)ನೀಲಕಂಠಪ್ಪ ತಂ. ಅಮರೇಶಪ್ಪ ನಾಡಗೌಡ್ರ	ಸ್ವಂತ	1/8							
9	ಮಲ್ಲಿಕಾರ್ಜುನ ತಂ. ಪಾಸ್ತೆಪ್ಪ ಬರಿದೆಲಿ ತಂ. ಪಾಸ್ತೆಪ್ಪ ಬರಿದೆಲಿ	ಸ್ವಂತ	1/9							
10	ದೊಡ್ಡಪ್ಪ ತಂ. ಬಸಪ್ಪ ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	1/10							
11	1)ವೀರಭದ್ರಯ್ಯ ತಂ. ಚನ್ನಯ್ಯ 2)ಚಂದ್ರಶೇಖರಯ್ಯ ತಂ. ಚನ್ನಯ್ಯ	ಸ್ವಂತ	1/11							
12	ರಾಮನಗೌಡ ತಂ. ಯಮನಗೌಡ ಪೋಲಿಸ ಪಾಟೀಲ	ಸ್ವಂತ	1/12							
13	ನೀಲಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ಕುರಿ	ಸ್ವಂತ	1/13							
14	1)ಮಲ್ಲವ್ವ ಗಂ. ವೀರನಗೌಡ 2)ಧರ್ಮವ್ವ ಗಂ. ಮೂಡ್ಲಪ್ಪ	ಸ್ವಂತ	2/1/1	1-06-00	2.72	ಖುಷ್ಕಿ	62	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	92	1
15	ಶರಣವ್ವ ಗಂ. ಹನುಮನಗೌಡ	ಸ್ವಂತ	2/1/2							
16	1)ಬಸವನಗೌಡ ತಂ. ಅಯ್ಯನಗೌಡ 2)ಅಂದಮ್ಮ ಗಂ. ಸೋಮನಗೌಡ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	2/1/3							

17	ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 1)ನೀಲಮ್ಮ ಗಂ. ಶರಣಪ್ಪ 2)ಶರಣಪ್ಪ ತಂ. ಬಸಪ್ಪ ಮಸಣವಾಟ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	2/2/2							
18	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ ಖಬರಸ್ತಾನ	ಸರಕಾರ	2/3/*							
19	1) ನೀಲಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ಕುರಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	5/*/1	0-37-00	2.09	ಖುಷ್ಕಿ	ಗ್ರಾಮ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	1	6
20	1)ದೊಡ್ಡನಗೌಡ ತಂ. ಅಮರೇಗೌಡ	ಸ್ವಂತ	5/*/2	-						

_	ಮಾಲಿಪಾಟೀಲ						
	2)ಯಮನಗೌಡ ತಂ. ಅಮರೇಗೌಡ						
	ಮಾಲಿಪಾಟೀಲ						
	3)ರಾಜಶೇಖರರಾವ ತಂ.						
	ಅಮರೇಗೌಡ						
	4)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ						
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,						
	ಧಾರವಾಡ ಇವರಿಗೆ–						
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ						
	ಸ್ವಾಧೀನವಾಗಿದೆ 5) ಕರ್ನಾಟಕ						
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ						
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–						
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ						
	ಸ್ವಾಧೀನವಾಗಿದೆ 6) ಕರ್ನಾಟಕ						
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ						
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–						
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ						
	ಸ್ವಾಧೀನವಾಗಿದೆ 7) ಕರ್ನಾಟಕ						
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ						
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–						
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ						
	ಸ್ವಾಧೀನವಾಗಿದೆ						
	1)ದೊಡ್ಡನಗೌಡ ತಂ. ಲಿಂಗನಗೌಡ						
	ಮಾಲಿಪಾಟೀಲ 2)ಕರ್ನಾಟಕ						
21	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ	ಸ್ವಂತ	5/*/3				
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ-						
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ						

	ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
22	1)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಬಸವಂತರಾವ ತಂ. ಅಮರೇಶ್ವರರಾವ್	ಸರಕಾರ	5/*/4
23	ಶ್ಯಾಮವ್ವ ಗಂ. ರಾಮಣ್ಣ ಬೋದೂರ	ಸ್ವಂತ	5/*/5
24	ಮಲ್ಲಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ವಣಗೇರಿ	ಸ್ವಂತ	5/*/6
25	ಅಕ್ಕಮ್ಮ ಗಂ. ಮಲ್ಲಪ್ಪ ವಣಕೇರಿ	ಸ್ವಂತ	5/*/7
26	ಶೋಭಾ ಗಂ. ದೇವರಡ್ಡೆಪ್ಪ ಹುನಕುಂಟಿ	ಸ್ವಂತ	5/*/8
27	ಪಾರ್ವತೆವ್ವ ಗಂ. ದೊಡ್ಡಬಸಪ್ಪ ಬೋದೂರ	ಸ್ವಂತ	5/*/9

28	ಬಾಲಪ್ಪ ತಂ. ರಾಮಣ್ಣ ವಣಕೇರಿ	ಸ್ವಂತ	5/*/10							
29	ಕರಿಯಮ್ಮ ಗಂ. ರಾಮಣ್ಣ ವಣಕೇರಿ	ಸ್ವಂತ	5/*/11							
30	ಅಂಬಮ್ಮ ಗಂ. ದೊಡ್ಡಪ್ಪ ಗುಡದೂರ	ಸ್ವಂತ	5/*/12							
31	1)ಮಲ್ಲನಗೌಡ ತಂ. ಚಂದ್ರಶೇಖರಗೌಡ ಹುನಕುಂಟಿ 2)ಶಶಿಧರ ತಂ. ಚಂದ್ರಶೇಖರಗೌಡ ಹುನಕುಂಟಿ	ಸ್ವಂತ	5/*/13							
32	1)ಶಾಂತವ್ವ ಗಂ. ಕನಕಪ್ಪ ಗೋತಗಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	6/1/1	0-25-00	1.68	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀಣ ಪ್ರದೇಶ	5	ಉಳಿದ ಭಾಗ
33	1)ಶಿವಮ್ಮ ಗಂ. ನಾಗನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	ಸ್ವಂತ	6/1/2							

	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ದಿ		
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ರಾಮಪ್ಪ ತಂ. ಹೊಳಿಯಪ್ಪ		
	ಗೋತಗಿ ²)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		(10
34	ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	ಸ್ವಂತ	6/1/3
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ		
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ಯಮನಪ್ಪ ತಂ. ಹೊಳಿಯಪ್ಪ		
	ಗೋತಗಿ		
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
35	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ,	ಸ್ವಂತ	6/1/4
	ಧಾರವಾಡ ಇವರಿಗೆ–	~	
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	1)ದೊಡ್ಡಮ್ಮ ಗಂ. ಹೊಳಿಯಪ್ಪ		
	ಗೋತಗ <u>ಿ</u>		
2.0	2)ರಾಮಪ್ಪ ತಂ. ಹೊಳಿಯಪ್ಪ	ಸ್ವಂತ	6/1/5
36	ಗೋತಗಿ		0/1/3
	3)ಯಮನಪ್ಪ ತಂ. ಹೊಳಿಯಪ್ಪ		
	ಗೋತಗಿ		

37	1)ಪಾರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	6/1/6							
38	ಯಮನಪ್ಪ ತಂ. ಭೀಮಪ್ಪ	ಸ್ವಂತ	6/1/7	_						
39	1)ಮಹಾಂತಯ್ಯ ತಂ. ಮಹಾದೇವಯ್ಯ ಹಿರೇಮಠ 2)ಅಮರಯ್ಯ ತಂ. ಗುರುಬಸಯ್ಯ ಹಿರೇಮಠ 3)ಪಡದಯ್ಯ ತಂ. ಗುರುಬಸಯ್ಯ ಹಿರೇಮಠ	ಸ್ವಂತ	6/2/1							
40	ಗ್ಯಾನಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಗೋತಗಿ	ಸ್ವಂತ	6/2/2							
41	ಬಸವರಾಜ ತಂ. ದೊಡ್ಡಪ್ಪ ಗೋತಗಿ	ಸ್ವಂತ	6/2/3							
42	1)ಗಂಗಾದೇವಿ ಗಂ. ಸೋಮಶೇಖರರಾವ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	45/*/*	0-05-00	0.11	ಖುಷ್ಕಿ	ಗಡಿ	46	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ
43	ಮೌಲಾಸಾಬ ತಂ. ಚಂದೊಸಾಬ	ಸ್ವಂತ	46/*/1							
44	1)ಚಂದೂಸಾಬ ತಂ. ಬುಡ್ನೆಸಾಬ 2)ನೆಬೆಂಬೀ ಗಂ. ಚಂದುಸಾಬ ನಧಾಪ್	ಸ್ವಂತ	46/*/2	0-09-00	0.45	ಖುಷ್ಕಿ	45	47	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ

45	ಲಕ್ಷ್ಮೀ ಗಂ. ಮುದಿಯಪ್ಪ ಕುರಬರ	ಸ್ವಂತ	46/*/3							
46	ನೆಬೆಂಬೀ ಗಂ. ಚಂದುಸಾಬ ನಧಾಪ್	ಸ್ವಂತ	46/*/4							
47	ರಮೇಶ ತಂ. ಹನಮಪ್ಪ ಗಡ್ಡದ	ಸ್ವಂತ	46/*/5							
48	ಅಮರಪ್ಪ ಗಂ. ಹುಚ್ಚಪ್ಪ	ಸ್ವಂತ	50/*/1					ಉಳಿದ	ಉಳಿದ	
49	ಶ್ರೀಮತಿ ಅಕ್ಕಮಹಾದೇವಿ ಉರ್ಫ ಅಕ್ಕಮ್ಮ ಗಂ. ಸಂಗಪ್ಪ ರಾಮಶೆಟ್ಟಿ	ಸ್ವಂತ	50/*/2	0–17–00	1.27	ಖುಷ್ಕಿ	53	ಭಾಗ	ಭಾಗ	53
50	1)ಕಳಕಪ್ಪ ತಂ. ಕರಕಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 4)ಕಳಕಪ್ಪ ತಂ. ಕರಕಪ್ಪ ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	50/*/3							
51	ಕಳಕಪ್ಪ ತಂ. ತೋಟಪ್ಪ ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	50/*/4							
52	1)ಮುತ್ತಪ್ಪ ತಂ. ಬಸಪ್ಪ ನಂದಿಹಾಳ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	50/*/5							
53	ಬಸವರಾಜ ತಂ. ತೋಟಪ್ಪ	ಸ್ವಂತ	50/*/6							

54	ಯಮನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ ಪೋಲಿಸ ಪಾಟೀಲ	ಸ್ವಂತ	51/*/1							
55	ನೀಲಮ್ಮ ಗಂ. ಪರಸಪ್ಪ ಕುರಿ	ಸ್ವಂತ	51/*/2							
56	1)ನಾಗನಗೌಡ ತಂ. ಶೇಖರಗೌಡ ಪೋಲಿಸ ಪಾಟೀಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	51/*/3	0-28-00	1.99	ಖುಷ್ಕಿ	53	ಉಳಿದ ಭಾಗ	53	92
57	ಬಸನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ ಪೋಲಿಸ್ ಪಾಟೀಲ	ಸ್ವಂತ	51/*/4							
58	1)ಮಲ್ಲಿಕಾರ್ಜುನಗೌಡ ತಂ. ಶೇಖರಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಾ ಸ್ವ	51/*/5							
59	1)ನಾಗನಗೌಡ ತಂ. ಶೇಖರಗೌಡ ಪೋಲಿಸ ಪಾಟೀಲ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	51/*/6							

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	ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ		
60	1)ಶ್ರೀಮತಿ ಗಿರಿಜಾ ಗಂ. ಬಸನಗೌಡ ಮೋ. ಪಾ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	51/*/7
61	1)ಚನ್ನಮ್ಮ ತಂ. ರುದ್ರಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	51/*/8
62	ಹನಮಗೌಡ ತಂ. ರಾಚನಗೌಡ	ಸ್ವಂತ	51/*/9

63	1)ಹನಮಗೌಡ ತಂ. ರಾಚನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	51/*/10							
64	ಶಂಕರಗೌಡ ತಂ. ಶೇಖರಗೌಡ	ಸ್ವಂತ	51/*/11							
65	ರಾಚನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ ಪೋಲಿಸ್ ಪಾಟೀಲ	ಸ್ವಂತ	51/*/12							
66	ಬಸನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ ಪೋಲಿಸ್ ಪಾಟೀಲ	ಸ್ವಂತ	51/*/13							
67	1)ರಾಜಶೇಖರರಾವ ತಂ. ಅಮರೇಶರಾವ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ	ಸ್ವಂತ	53/*/1	0-29-00	2.27	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	54	51

_	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
] ವಿ. 1)ದೇವರಡ್ಡೆಪ್ಪ ತಂ. ರಾಜಶೇಖರಪ್ಪ		
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
68	ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	53/*/2
00	3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ	'చె	, ,-
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		
	್ವ. 1)ಗುರುರಾಜ ತಂ.		
	ದೊಡ್ಡಬಸವಂತರಾವ		
69	2)ಚೆನ್ನಮ್ಮ ಗಂ.	ಸ್ವಂತ	53/*/3
	ದೊಡ್ಡಬಸವಂತರಾವ		
	್ಡ 1)ದೊಡ್ಡಮ್ಮ ಗಂ. ಶೇಖರಪ್ಪ		
	ನಾಡಗೌಡ್ರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ		
	ಪ್ರದೇಶಾಭೀವೃದ್ದಿ ಮಂಡಳಿ, ಧಾರವಾಡ		
	ಇವರಿಗೆ–		
70	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	53/*/4
70	ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ	ಜ್ಞ	337.74
	ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,		
	ಧಾರವಾಡ ಇವರಿಗೆ–		
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ		
	ಸ್ವಾಧೀನವಾಗಿದೆ		

71	1)ಲಕ್ಷ್ಮವ್ವ ಗಂ. ಅಮರೇಶರಾವ ನಾಡಗೌಡ್ರ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	53/*/5							
72	1)ಲಿಂಗರಾಜ ತಂ. ಅಮರೇಶರಾವ 2)ಸೋಮಶೇಖರರಾವ ತಂ. ಅಮರೇಶರಾವ 3)ಬಸವರಾಜಪ್ಪ ತಂ. ಶಿವಶಂಕರರಾವ 4)ರಾಜಶೇಖರರಾವ ತಂ. ಶಿವಶಂಕರರಾವ	ಸ್ವಂತ	53/*/6							
73	ಬಸವರಾಜ ತಂ. ತೋಟಪ್ಪ ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	54/*/1							
74	ಜಯಂತಿ ತಂ. ಲಕ್ಷ್ಮೀನಾರಾಯಣ ಬಟ್ಟರು	ಸ್ವಂತ	54/*/2							
75	1)ಕಳಕಪ್ಪ ತಂ. ತೋಟಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	54/*/3	0-34-00	2.48	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56	53
76	1)ಹನಮಪ್ಪ ತಂ. ಹುಲಗಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–	ಸ್ವಂತ	54/*/4							

77 78	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ ಭೀಮಪ್ಪ ತಂ. ಹುಲಗಪ್ಪ ಹುಚ್ಚಪ್ಪ ತಂ. ಚನಬಸಪ್ಪ ತೆಗ್ಗಿನಮನಿ ಬಸವರಾಜ ತಂ. ಚನಬಸಪ್ಪ	ಸ್ವ ಂತ ಸ್ವ	54/*/5 54/*/6			
79	ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	54/*/7			
80	1)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸರಕಾರ	54/*/8			
81	ಬಸವರಾಜ ತಂ. ಚನಬಸಪ್ಪ ತೆಗ್ಗಿನಮನಿ	ಸ್ವಂತ	54/*/9			
82	ಜಯಂತಿ ತಂ. ಲಕ್ಷ್ಮೀನಾರಾಯಣ ಬಟ್ಟರು	ಸ್ವಂತ	54/*/10			

83	ದೊಡ್ಡಬಸಮ್ಮ ಗಂ. ಶಂಕ್ರಪ್ಪ ಕಂದಗಲ್	ಸ್ವಂತ	55/*/1							
84	1)ದುರಗವ್ವ ಗಂ. ದೇವಪ್ಪ ನಿಡಶೇಶಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	55/*/2	0-32-08	1.89	ಋಷ್ಕಿ	57	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	56
85	1)ಸುರೇಶ ತಂ. ಬಸಪ್ಪ ಬರಿದೇಲಿ 2)ಶರಣಮ್ಮ ಗಂ. ಸುರೇಶ ಬರಿದೇಲಿ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ	ಸ್ವಂತ	55/*/3							
86	1)ಮಲ್ಲನಗೌಡ ತಂ. ಪಿಡ್ಡನಗೌಡ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ 3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ	ಸ್ವಂತ	56/*/1	0-08-08	0.50	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	55	ಉಳಿದ ಭಾಗ

_					1	1	1			1
	ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ-									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
	1)ನಾಗನಗೌಡ ತಂ. ಮಲ್ಲನಗೌಡ			-						
	ಮಾಲಿಪಾಟೀಲ									
	2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
87	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,	ಸ್ವಂತ	56/*/2							
0,	ಧಾರವಾಡ ಇವರಿಗೆ–	ω								
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
88	ಹನಮಪ್ಪ ತಂ.ಶಿವಪ್ಪ ಬೊದೂರ	ಸ್ವಂತ	56/*/3	-						
	ಚಂದ್ರಶೇಖರಗೌಡ ತಂ.	3 03	56 h. 11	-						
89	ಮಲ್ಲನಗೌಡ ಮಾಲಿಪಾಟೀಲ್	ಸ್ವಂತ	56/*/4							
	1)ಲಕ್ಷ್ಮಣ ತಂ. ಹನಮಪ್ಪ ಗಡ್ಡದ									
	2)ಹನಮಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗಡ್ಡದ									
	3)ಶಾಂತಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಗಡ್ಡದ									
	4)ಲಕ್ಷ್ಮಣ ತಂ. ಹನಮಪ್ಪ ಗಡ್ಡದ									
	5)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ									
90	ಇವರಿಗೆ–	ಸ್ವಂತ	57/*/1						ಭೂಸ್ವಾಧೀನ	ಉಳಿದ
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ವ 		0-32-08	1.59	ಖುಷ್ಕಿ	ಗಡಿ	55	ಪ್ರದೇಶ	ಭಾಗ
	ಸ್ವಾಧೀನವಾಗಿದೆ								33,371	955.1
	6)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ–									
	ಇಎರಗ= ಗದಗ=ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
91	1)ಮಲ್ಲನಗೌಡ ತಂ. ಅಮರೇಗೌಡ	ಸ್ವಂತ	57/*/2	_						
ופ	1,555 E. 55 55. 5555 511 55	್ಷವ	0,7,72							

	ಮ್ಯಾಗಳಮನಿ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ ಸ್ವಾಧೀನವಾಗಿದೆ									
92	ಗುರುರಾಜರಾವ ತಂ. ದೊಡ್ಡಬಸವಂತರಾವ ಅ.ಸಂ.ದಾರ.ತಾಯಿ. ಚನ್ನಮ್ಮ ಗಂಡ ದೊಡ್ಡಬಸವಂತರಾವ	ಸ್ವಂತ	57/*/3							
93	ಸೋಮಣ್ಣ ತಂ. ಮುರಡಪ್ಪ ಗಡ್ಡಾದ	ಸ್ವಂತ	57/*/4							
94	ಹನಮಂತಿ ಗಂ. ಕೊಳ್ಳಪ್ಪ ವಡ್ಡರ	ಸ್ವಂತ	57/*/5							
95	ಬಸವರಾಜಪ್ಪ ತಂ. ಶಿವಶಂಕರರಾವ	ಸ್ವಂತ	57/*/6							
96	ಹೇಮಂತರಾವ ತಂ. ಅಮರೇಶರಾವ	ಸ್ವಂತ	57/*/7							
97	ಬಸವರಾಜಪ್ಪ ತಂ. ಶಿವಶಂಕರರಾವ	ಸ್ವಂತ	57/*/8							
98	ರಾಜಶೇಖರರಾವ ತಂ. ಶಿವಶಂಕರರಾವ	ಸ್ವಂತ	57/*/9							
99	1)ಶ್ರೀನಿವಾಸ ತಂ. ಹೊಳಿಯಪ್ಪ 2)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ, ಧಾರವಾಡ ಇವರಿಗೆ– ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ	ಸ್ವಂತ	92/*/1	0-04-00	0.22	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	51	2

_	ಸ್ವಾಧೀನವಾಗಿದೆ									
	3)ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ									
	ಪ್ರದೇಶಾಭೀವೃದ್ಧಿ ಮಂಡಳಿ,									
	ರಾರವಾಡ ಇವರಿಗೆ–									
	ಗದಗ–ವಾಡಿ ರೈಲ್ವೆ ಮಾರ್ಗಕ್ಕೆ ಭೂ									
	ಸ್ವಾಧೀನವಾಗಿದೆ									
100	ಹನಮಪ್ಪ ತಂ. ಯಲ್ಲಪ್ಪ ಕುರಿ	ಸ್ವಂತ	92/*/2							
101	ವಿಜಯಮ್ಮ ಗಂ. ಸಂಗಪ್ಪ ಬ್ಯಾಲಿಹಾಳ	ಸ್ವಂತ	92/*/3							
102	ಮಲ್ಲಮ್ಮ ಗಂ. ರಾಮಪ್ಪ ಕುರಿ	ಸ್ವಂತ	92/*/4							
103	ಲಕ್ಷ್ಮವ್ವ ಗಂ. ಕನಕಪ್ಪ ಗಾಣದಾಳ (ತಂ. ಯಲ್ಲಪ್ಪ ಕುರಿ)	ಸ್ವಂತ	92/*/5							
104	ಲಕ್ಷ್ಮೀ ಗಂ. ಮಲ್ಲಪ್ಪ ಕುರಿ	ಸ್ವಂತ	92/*/6							
			ಒಟ್ಟು	8-09-08						
ಜಿಲ್ಲೆ	: ಕೊಪ್ಪಳ			ತಾಲ್ಲೂಕ: ಕ	ವ್ವಗಿ				ಗ್ರಾಮ:	<u>ಸಾಸ್</u> ವಿಹಾಳ
1	1)ಮಲ್ಲಮ್ಮ ಗಂ. ಗ್ಯಾನಪ್ಪ ಕುರ್ನಾಳ 2)ಬಸಮ್ಮ ಗಂ. ಮಲ್ಕಪ್ಪ ಉರ್ಘ ಮಲಕಾಜಪ್ಪ 3)ಹಿರೇ ಹನಮಪ್ಪ ತಂ. ಮಾಯಪ್ಪ 4)ಹನಮಪ್ಪ ತಂ. ಮಾಯಪ್ಪ 5)ಹನಮಂತಪ್ಪ ತಂ. ನಾಗರಡ್ಡೆಪ್ಪ 6)ಹನಮಪ್ಪ ತಂ. ಬಡಕಪ್ಪ	ಸ್ವಂತ	28/1/1	0-10-08	0.68	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	31	ಗಡಿ

2	1)ಮಹಾಂತಮ್ಮ ಗಂ. ಮಲ್ಲಪ್ಪ ಬಾದವಾಡಗಿ 2)ಬಸವರಾಜ ತಂ. ಮಹಾಂತಪ್ಪ ಬಾದವಾಡಗಿ	ಸ್ವಂತ	28/1/2							
3	1)ಬಸಪ್ಪ ತಂ. ಶಂಕ್ರಪ್ಪ 2)ಬಸಮ್ಮ ಗಂ. ಮುದಿಬಸಪ್ಪ	ಸ್ವಂತ	28/1/3							
4	ಪ್ರಮೀಳಾ ಗಂ. ಚಂದ್ರಶೇಖರಪ್ಪ ಹಾವಿನಾಳ	ಸ್ವಂತ	30/1/1							
5	1)ಶಂಕ್ರಪ್ಪ ತಂ. ಮುದಿಬಸಪ್ಪ 2)ಯಂಕಮ್ಮ ತಂ. ಶಂಕ್ರಪ್ಪ	ಸ್ವಂತ	30/1/2	0-39-00	2.63	9) 7 .8,	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	34	31
6	ಚಂದ್ರಶೇಖರಪ್ಪ ತಂ. ಸಂಗಪ್ಪ ಹಾವಿನಾಳ	ಸ್ವಂತ	30/1/3	- 0-37-00	2.03	ಖುಷ್ಕಿ	ಭಾಗ	ಪ್ರದೇಶ	34	31
7	ಚಂದ್ರಶೇಖರಪ್ಪ ತಂ. ಸಂಗಪ್ಪ ಹಾವಿನಾಳ	ಸ್ವಂತ	30/1/4							
8	1)ಶಂಕರಗೌಡ ತಂ. ಬಸನಗೌಡ ಮಲ್ಲನಗೌಡ್ರ 2)ಮಲ್ಲಮ್ಮ ಗಂ. ಹನುಮನಗೌಡ ಮಾರಲದಿನ್ನಿ 3)ವೀರನಗೌಡ ತಂ. ಭೀಮನಗೌಡ 4)ಕಳಕನಗೌಡ ತಂ. ಭೀಮನಗೌಡ 5)ಸಂಗಮ್ಮ ಗಂ. ಮಹಾಂತಪ್ಪ ಗೌಡ 6)ಲಲಿತಾ ಗಂ. ಮಲ್ಲನಗೌಡ ಗೌಡರ 7)ಈರಸಂಗನಗೌಡ ತಂ. ಸಂಗನಗೌಡ ಗೌಡರ 8)ಹನಮಗೌಡ ತಂ. ಸಂಗನಗೌಡ ಗೌಡರ 9)ಮಲ್ಲಮ್ಮ ಗಂ. ನಾನೇಗೌಡ	ಸ್ವಂತ	31/*	1–24–00	3.82	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	30	28

	ಬಿರಾದಾರ 10)ನೀಲಮ್ಮ ಗಂ.									
	ಭೀಮಣ್ಣ ಬಿರಾದಾರ									
9	1) ボっ れる い れる	ಸ್ವಂತ	34/*	3-07-08	12.68	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	56	30
10	ಕೆಂಗಾಲಪ್ಪ ತಂ. ಸಣ್ಣ ಹನಮಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	55/1/1							
11	1)ಮಲ್ಲಮ್ಮ ಗಂ. ಅಮರಪ್ಪ ಬನ್ನಟ್ಟಿ 2)ದೊಡ್ಡಪ್ಪ ತಂ. ಮುರಡಪ್ಪ 4)ಶರಣಪ್ಪ ತಂ. ಮುರಡಪ್ಪ 5)ಯಂಕಮ್ಮ ಗಂ. ಸಂಗಪ್ಪ	ಸ್ವಂತ	55/1/2	0-01-08	0.05	ಋಷ್ಕಿ	ಉಳಿದ ಭಾಗ	56	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
12	ಅಮರಪ್ಪ ತಂ. ಸಣ್ಣ ಹನಮಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	55/1/3							
13	ಕೆಂಗಾಲಪ್ಪ ತಂ. ಸಣ್ಣ ಹನಮಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	55/1/4							
14	ಸೋಮಪ್ಪ ತಂ. ಗೌಡಪ್ಪ	ಸ್ವಂತ	56/1							
15	ಸಣ್ಣಬಸಪ್ಪ ತಂ. ಹನಮಪ್ಪ	ಸ್ವಂತ	56/2					ا م م م		
16	ಅಮರಪ್ಪ ತಂ. ಗೌಡಪ್ಪ	ಸ್ವಂತ	56/3	3-01-00	8.17	ಖುಷ್ಕಿ	55	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
17	ಛತ್ರಪ್ಪ ತಂ. ಗೌಡ್ರಪ್ಪ	ಸ್ವಂತ	56/4					35,2010	90011	40011
18	ದೊಡ್ಡಪ್ಪ ತಂ. ಗೌಡಪ್ಪ	ಸ್ವಂತ	56/5							

19	ಶಿವಪ್ಪ ತಂ. ಹನಮಪ್ಪ	ಸ್ವಂತ	56/6							
20	ಗೌಡಪ್ಪ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	56/7							
21	ಛತ್ರಪ್ಪ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	56/8							
22	ಹಿರೇಬಸಪ್ಪ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	56/9							
23	ಹನಮಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಕುರಿ	ಸ್ವಂತ	60/1/1							
24	1)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ 2)ಚಂದ್ರಶೇಖರ ತಂ. ಅಮರಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ 3)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ 4)ಅಮರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ 5)ಹನಮಪ್ಪ ತಂ. ಈರಪ್ಪ 6)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ	ಸ್ವಂತ	60/1/2	0-04-08	0.22	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	62	61
25	ಗೋವಿಂದಪ್ಪ ತಂ. ಯಂಕಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	60/1/3							
26	ಅಮರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	60/1/4							
27	1)ಗಂಗವ್ವ ಗಂ. ಶಂಕ್ರಗೌಡ 2)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ	ಸ್ವಂತ	60/1/5							
28	ಹನಮಂತ ತಂ. ಬಸಪ್ಪ ಕುರಿ	ಸ್ವಂತ	60/1/6							

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29	ಅಮರಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕುರಿ	ಸ್ವಂತ	60/1/7							
30	ಶರಣಪ್ಪ ತಂ. ಬಸಪ್ಪ ಕುರಿ	ಸ್ವಂತ	60/1/8							
31	ಶಾರದಾ ಗಂ. ದೇವರಡ್ಡೆಪ್ಪ ಮೇಟಿ	ಸ್ವಂತ	61/*/1							
32	ಅಮರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	61/*/2							
33	1)ನಿಂಗಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ 2)ಗೋವಿಂದಪ್ಪ ತಂ. ಯಂಕಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	61/1/3							
34	ಅಮರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	61/1/4							
35	ಯಂಕನಗೌಡ ತಂ. ಶಂಕ್ರಗೌಡ	ಸ್ವಂತ	61/1/5	2–15–00	5.27	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ	ಉಳಿದ ಭಾಗ
36	ಸುವರ್ಣ ಗಂ. ದೊಡ್ಡಬಸಪ್ಪ ಮೇಟಿ	ಸ್ವಂತ	61/*/6							
37	ವಿರೇಶ ತಂ. ಶಂಕ್ರಪ್ಪ ಮೇಟಿ	ಸ್ವಂತ	61/*/7							
38	ಶ್ರೀದೇವಿ ಗಂ. ವೀರೇಶ ಮೇಟಿ	ಸ್ವಂತ	61/*/8							
39	ಅಮರಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	61/*/9							
40	ಚಂದ್ರಶೇಖರ ತಂ. ಅಮರಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	61/*/10							

41	ಶಾಂತಮ್ಮ ಗಂ. ಅಡಿವೆಪ್ಪ ಗುಡೂರ	ಸ್ವಂತ	62/1/*							
42	1)ಅಮರಮ್ಮ ಗಂ. ಪವಾಡೆಪ್ಪ 2)ದೊಡ್ಡಮ್ಮ ಗಂ. ಹನಮಂತಪ್ಪ ಕಮತ 3)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ 4)ಶಾರದಮ್ಮ ಗಂ. ರುದ್ರಪ್ಪ ಮುದಗಲ್ 5)ಶಾವಂತ್ರಮ್ಮ ಗಂ. ಪಂಪಣ್ಣ ಮುದಗಲ್	ಸ್ವಂತ	62/2/*	0-17-00	0.97	ಖುಷ್ತಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	65	60
43	1)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ 2)ದೊಡ್ಡಬಸಮ್ಮ ಗಂ. ಭೀಮಪ್ಪ ಹಂಚಿನಾಳ 3)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ	ಸ್ವಂತ	64/1/1							
44	ಭೀರಪ್ಪ ತಂ. ಭೀಮಪ್ಪ ಹಂಚಿನಾಳ	ಸ್ವಂತ	64/1/2							
45	ಬಸಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಹಂಚಿನಾಳ	ಸ್ವಂತ	64/1/3	0-29-00	1.74	ಖುಷ್ತಿ	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	75	62
46	1)ಶರಣಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಕುರ್ನಾಳ 2)ಗ್ಯಾನಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಕುರ್ನಾಳ 3)ಬಡಕಪ್ಪ ತಂ. ದೊಡ್ಡಪ್ಪ ಕುರ್ನಾಳ 4)ರಾಮಲಿಂಗ ತಂ. ದೊಡ್ಡಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	64/1/4			- 3	ಭಾಗ	ಪ್ರದೇಶ	-	_
47	ನೀಲಮ್ಮ ಗಂ. ಬಸಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	64/1/5							
48	ಭೀಮಮ್ಮ ಗಂ. ಯಮನಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	64/1/6							

49	ಮಲ್ಲಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಕುರ್ನಾಳ	ಸ್ಪಂತ	64/1/7							
50	ಭೀರಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಹಂಚಿನಾಳ	_ಇ ಸ್ವಂತ	64/1/8							
51	ದೊಡ್ಡಬಸಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಕುರ್ನಾಳ	ಸ್ವಂತ	64/1/9							
52	1)ಹನಮೇಶ ತಂ. ಪಂಪಾಪತಿ ಬಿಜಕಲ್2)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ	ಸ್ವಂತ	65/1/1	0-11-08	0.62	ಖುಷ್ಕಿ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	ಉಳಿದ ಭಾಗ	64	62
53	1)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ 2)ಶರಣಪ್ಪ ತಂ. ರುದ್ರಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ 3)ಶಿವಪ್ಪ ತಂ. ರುದ್ರಪ್ಪ ಉಳ್ಳಾಗಡ್ಡಿ	ಸ್ವಂತ	65/1/2							
54	1)ದೊಡ್ಡಬಸಮ್ಮ ಗಂ. ಭೀಮಪ್ಪ ಹಂಚಿನಾಳ 2)ಮುದೇನೂರ ಗ್ರಾಮದ ಜಿನುಗು ಕೆರೆಗಾಗಿ ಭೂಸ್ವಾಧೀನ	ಸ್ವಂತ	65/1/3							
55	1)ಪಡ್ಡಿವ್ವ ಗಂ. ಮುಕಪ್ಪ ಮುದೇನೂರ 2)ಅಯ್ಯಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಕೊರಲಿ	ಸ್ವಂತ	72/1/1							
56	ದುರಗಪ್ಪ ತಂ. ಕರಡೆಪ್ಪ	ಸ್ವಂತ	72/1/2	0-03-00	0.21	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	73	ಉಳಿದ ಭಾಗ
57	ಅಮರಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ ಮಡ್ಡೇರ	ಸ್ವಂತ	72/1/3							
58	ರಾಮಣ್ಣ ತಂ. ಮಲ್ಲಪ್ಪ ಗಂಗನಾಳ	ಸ್ವಂತ	72/1/4	-						
59	ಅಯ್ಯಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಕೊರಲಿ	ಸ್ವಂತ	72/1/5							

60	ದೊಡ್ಡಪ್ಪ ತಂ. ಕಲ್ಯಾಣಪ್ಪ ನಂದಿಹಾಳ	ಸ್ವಂತ	72/1/7							
61	ಶಿವಪ್ಪ ತಂ. ಯಮನಪ್ಪ ಬಿಂಗಿ	ಸ್ವಂತ	72/*/8							
62	ದುರಗಮ್ಮ ಗಂ. ಹನಮಪ್ಪ ಬಿಂಗಿ	ಸ್ವಂತ	72/*/9							
63	ದೊಡ್ಡಮ್ಮ ಗಂ. ಕಳಕಪ್ಪ ನಂದಿಹಾಳ	ಸ್ವಂತ	72/1/9							
64	ಕನಕಪ್ಪ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	73/1/1							
65	ಅಯ್ಯಪ್ಪ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	73/1/2							
66	1)ಶಿವಮ್ಮ ಗಂ. ನಾಗಪ್ಪ ಗುರಿಕಾರ 2)ಕೂಡ್ಲೆಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗುರಿಕಾರ 3)ಪಾರ್ವತೆವ್ವ ಗಂ. ಶರಣಪ್ಪ 4)ಹನಮಪ್ಪ ತಂ. ಗೌಡಪ್ಪ 5)ದುರಗಪ್ಪ ತಂ. ಗೌಡಪ್ಪ ಮುದಗಲ್ 6)ಅನಸಮ್ಮ ಗಂ. ಹನುಮಂತ	ಸ್ವಂತ	73/1/3	0-19-00	1.44	ಖುಷ್ತಿ	ಉಳಿದ	ಭೂಸ್ವಾಧೀನ	ಭೂಸ್ವಾಧೀನ	72
67	1)ಹನಮಪ್ಪ ತಂ.ನಾಗಪ್ಪ ಗುರಿಕಾರ 2)ಶಿವಪ್ಪ ತಂ. ಕೂಡ್ಲೆಪ್ಪ ಗುರಿಕಾರ 3)ಮಹಾಂತಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ಗುರಿಕಾರ 4)ಮಹಾಂತಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ಗುರಿಕಾರ 5)ಯಲ್ಲಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗುರಿಕಾರ 6)ಹನಮಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/1/4			Ö	ಭಾಗ	ಪ್ರದೇಶ	ಪ್ರದೇಶ	

8	ಅಮರವ್ವ ಗಂ. ಕನಕಪ್ಪ ಸಾಸ್ವಿಹಾಳ	ಸ್ವಂತ	73/1/5
69	ಹನಮಪ್ಪ ತಂ. ಗೌಡಪ್ಪ	ಸ್ವಂತ	73/1/6
70	ರಾಮಣ್ಣ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	73/1/7
71	ಶಿವಪ್ಪ ತಂ. ಹನಮಪ್ಪ	ಸ್ವಂತ	73/1/62
72	ಕೂಡ್ಲೆಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/2/1
73	ಗುರಪ್ಪ ತಂ. ಹನಮಪ್ಪ	ಸ್ವಂತ	73/2/2
74	ಗೌಡಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ತಳವಾರ	ಸ್ವಂತ	73/2/3
75	ಹನಮಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/2/4
76	ರಾಮಣ್ಣ ತಂ. ಬಾಲಪ್ಪ	ಸ್ವಂತ	73/2/5
77	1)ಹನಮಪ್ಪ ತಂ. ಗೌಡಪ್ಪ 2) ದುರಗಪ್ಪ ತಂ. ಗೌಡಪ್ಪ ಮುದಗಲ್ 3)ಅನಸಮ್ಮ ಗಂ. ಹನುಮಂತ	ಸ್ವಂತ	73/2/7
78	ಶೇಖರಪ್ಪ ತಂ. ಹನಮಂತಪ್ಪ ಮುದಗಲ್ಲರ	ಸ್ವಂತ	73/2/8
79	ಮಾನಪ್ಪ ತಂ. ಹನಮಂತಪ್ಪ ಮುದಗಲ್ಲರ	ಸ್ವಂತ	73/2/9
80	ಯಲ್ಲಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/2/10
81	1)ಹುಲಿಗೆಮ್ಮ ಗಂ. ಬಾಲಪ್ಪ ಗುರಿಕಾರ 2)ಬಾಲಪ್ಪ ತಂ. ಹನಮಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/2/11
82	ಹನಮಪ್ಪ ತಂ. ದುರಗಪ್ಪ ಗುರಿಕಾರ	ಸ್ವಂತ	73/2/12
83	ಹನಮಪ್ಪ ತಂ. ದುರಗಪ್ಪ	ಸ್ವಂತ	73/2/13

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84	ಯಮನಪ್ಪ ತಂ. ಮಲ್ಲಪ್ಪ ಮಸ್ಕಿ	ಸ್ವಂತ	75/1/1							
85	ಹನಮಪ್ಪ ತಂ. ಕಂಟೆಪ್ಪ	ಸ್ವಂತ	75/1/2							
86	ಮಲ್ಲಪ್ಪ ತಂ. ಕಂಟೆಪ್ಪ	ಸ್ವಂತ	75/1/3	_			ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ		
87	ಸಣ್ಣದುರಗಪ್ಪ ತಂ. ಬಸಪ್ಪ	ಸ್ವಂತ	75/1/4	0-05-00	0.31	ಖುಸ್ಕಿ			72	64
88	ಲಕ್ಷ್ಮಮ್ಮ ಗಂ. ಅಮರಪ್ಪ ಕೊರ್ಲಿ	ಸ್ವಂತ	75/1/5							
89	ಬಸವರಾಜ ತಂ. ಹನಮಪ್ಪ ಮಸ್ಕಿ	ಸ್ವಂತ	75/1/6							
			ಒಟ್ಟು	13-28-0						
ಜಿಲ್ಲೆ	: ಕೊಪ್ಪಳ			_ ತಾಲ್ಲೂಕ: ಕು	 ಪ್ಟಗಿ			T	_ ಗ್ರಾಮ: ಮು	 ನ್ದಲಗುಂದಿ
1	1)ರಾಘವೇಂದ್ರರಾವ ತಂ. ರಾಮಚಂದ್ರರಾವ 2)ಚಂದ್ರಕಾಂತರಾವ ತಂ. ರಾಮಚಂದ್ರರಾವ 3)ಯಶವಂತರಾವ ತಂ. ರಾಮಚಂದ್ರರಾವ 4)ಸೌಮ್ಯ ತಂ.ಮುರಳಿಧರರಾವ ಕುಲಕರ್ಣಿ	ಸ್ವಂತ	52/*/1							
2	1)ಶ್ರೀಮತಿ ಪ್ರಮೀಳಾಬಾಯಿ ಗಂ. ಬಿಂದುರಾವ 2)ಗುರರಾಜರಾವ ತಂ. ಬಿಂದುರಾವ 3)ಭೀಮರಾವ ತಂ. ಬಿಂದುರಾವ 4)ನರ್ಮದಾಬಾಯಿ ತಂ. ಬಿಂದುರಾವ 5)ಬಾಳಾಬಾಯಿ ತಂ. ಬಿಂದುರಾವ 6)ಕಮಲಬಾಯಿ ತಂ. ಬಿಂದುರಾವ 7)ತುಳಸಾಬಾಯಿ ತಂ. ಬಿಂದುರಾವ 8)ವಿಜಯಲಕ್ಷ್ಮೀ ತಂ. ಬಿಂದುರಾವ 9)ಪುಟ್ಟಬಾಯಿ ತಂ. ಬಿಂದುರಾವ	ಸ್ವಂತ	52/*/2	6-25-00	18.37	ಋಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	53	55

3	1)ಮಹಾಂತಪ್ಪ ತಂ. ಬಾಲಪ್ಪ ನಾಗರಬೆಂಚಿ 2)ಯಂಕಮ್ಮ ಗಂ. ರಾಮಣ್ಣ ಓತಗೇರಿ 3)ಯಂಕಪ್ಪ ತಂ. ಬಸಪ್ಪ ನಾಗರಬೆಂಚಿ	ಸ್ವಂತ	53/*	1–12–00	0.73	ಖುಷ್ಕಿ	ಉಳಿದ ಭಾಗ	ಭೂಸ್ವಾಧೀನ ಪ್ರದೇಶ	29	52
			ఒట్టు	7-37-00						

-: ಘೋಷ್ಟಾರೆ :-

ಅ. ನಂ.	ತಾಲ್ಲೂಕಿನ ಹೆಸರು	ಗ್ರಾಮದ ಹೆಸರು	ಒಟ್ಟು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ಖರಾಬು ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)	ನಿವ್ವಳ ಕ್ಷೇತ್ರ (ಎ-ಗು.ಆ)
1	2	3	4	5	6
1	ಕುಷ್ಟಗಿ	ಕುಷ್ಟಗಿ	8-31-00	_	8-31-00
2	ಕುಷ್ಟಗಿ	ಟೆಂಗುಂಟಿ	6-06-00	_	6-06-00
3	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಹೊಸೂರು	1-22-12	_	1-22-12
4	ಕುಷ್ಟಗಿ	ಖಾಲ್ಸಾ ಗೋನಾಳ	1-14-00	_	1-14-00
5	ಕುಷ್ಟಗಿ	ಮಾದಾಪೂರ	8-09-08	_	8-09-08
6	ಕುಷ್ಟಗಿ	ಸಾಸ್ವಿಹಾಳ	13-28-00	_	13-28-00
7	ಕುಷ್ಟಗಿ	ಮುದ್ದಲಗುಂ ದಿ	7-37-00	_	7-37-00
		ಒಟ್ಟು	47-28-04	_	47-28-04

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

<u>ಕರ್ನಾಟಕ ಸರ್ಕಾರ</u>

ಸಂಖ್ಯೆ: ಸಿಐ 06 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:18.01.2025.

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 3 (1) ರನ್ವಯ ಅಧಿಸೂಚನೆ

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆಯ 1966ರ (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18) ವಿಧಿ 3(1) ರಂತೆ ದತ್ತವಾದ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಈ ಕೆಳಕಂಡ ಷೆಡ್ಯೂಲ್ ನಲ್ಲಿ ಕಾಲಂ 2 ರಲ್ಲಿ ನಮೂದಿಸಿರುವ ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ, ಬೆಂಗಳೂರು ದಕ್ಷಿಣ ತಾಲ್ಲೂಕು, ತಾವರೆಕರೆ ಹೋಬಳಿ, ಸೂಲಿವಾರ ಗ್ರಾಮದ ಈ ಕೆಳಕಂಡ ಪಟ್ಟಿಯಲ್ಲಿನ ಕಾಲಂ 6 ರಿಂದ 9 ರಲ್ಲಿ ತೋರಿಸಿರುವ ಚೆಕ್ಕುಬಂದಿಯುಳ್ಳ ಕಾಲಂ 3 ರಿಂದ 5 ರಲ್ಲಿ ನಮೂದಿಸಿರುವ ವಿಸ್ತೀರ್ಣದ ಜಮೀನುಗಳನ್ನು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು ಈ ಮೂಲಕ ಘೋಷಿಸಿದೆ.

ಅನುಸೂಚಿ

	ಗ್ರಾಮ:ಸೂಲಿವ	ಾರ ಹೋಒ	ುಳಿ:ತಾವರೆಕ	ರೆ ತಾಲೂ	್ಲಕು:ಬೆಂಗಳೂರು	ದಕ್ಷಿಣ ಜಿಲ್ಲೆ	್ಷ:ಬೆಂಗಳೂರು ನ	ರಗ ರ			
ಕ್ರ. ಸಂ	ಸರ್ವೆ ನಂ	ಭೂಸಾ	ಭೂಸ್ವಾಧೀನಕ್ಕೊಳಪಟ್ಟ ವಿಸ್ತೀರ್ಣ			ಚೆಕ್ಕುಬಂದಿ					
		ಐನ್ ಎ-ಗು	ಖರಾಬು ಎ-ಗು	ಬಾಕಿ ಎ-ಗು	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ			
1	2	3	4	5	6	7	8	9			
1.	51/2	0-02½	-	0-021/2	ಗೇಲ್ ಇಂಡಿಯಾ ಪ್ಲಾಂಟ್	51/5ರ ಉಳಿಕೆ	51/4 51/5	ರಸ್ತೆ			
	ಒಟ್ಟು	0-021/2	-	0-021/2							

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 06 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:18.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 1 (3) ರನ್ವಯ ಅಧಿಸೂಚನೆ

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆಯ 1966ರ (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18) ವಿಧಿ 1(3) ರಂತೆ ದತ್ತವಾದ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಈ ಕೆಳಕಂಡ ಷೆಡ್ಯೂಲ್ ನಲ್ಲಿ ಕಾಲಂ 2 ರಲ್ಲಿ ಬೆಂಗಳೂರು ನಗರ ಜಿಲ್ಲೆ, ಬೆಂಗಳೂರು ದಕ್ಷಿಣ ತಾಲ್ಲೂಕು, ತಾವರೆಕರೆ ಹೋಬಳಿ, ಸೂಲಿವಾರ ಗ್ರಾಮದ ಈ ಕೆಳಕಂಡ ಪಟ್ಟಿಯಲ್ಲಿನ ಕಾಲಂ 6 ರಿಂದ 9 ರಲ್ಲಿ ತೋರಿಸಿರುವ ಚೆಕ್ಕುಬಂದಿಯುಳ್ಳ ಕಾಲಂ 3 ರಿಂದ 5 ರಲ್ಲಿ ನಮೂದಿಸಿರುವ ವಿಸ್ತೀರ್ಣದ ಜಮೀನುಗಳಿಗೆ ಮೇಲ್ಕಂಡ ಕಾಯ್ದೆಯ ಅಧ್ಯಾಯ 7ರ ವಿಧಿಗಳು ಈ ಅಧಿಸೂಚನೆಯು ಪ್ರಚುರಗೊಂಡ ದಿನಾಂಕದಿಂದ ಅನ್ವಯವಾಗುವಂತೆ ಘೋಷಿಸಲಾಗಿದೆ.

<u>ಅನುಸೂಚಿ</u>

	:ಸೂಲಿವಾರ				ಕು:ಬೆಂಗಳೂರ		ಜಿಲ್ಲೆ:ಬೆಂಗಳೂರು ನಗರ		
ಕ್ರ. ಸಂ	ಸರ್ವೆ ನಂ		್ಯಧೀನಕ್ಕೊಳ ವಿಸ್ತೀರ್ಣ	ಶಪಟ್ಟ	ಚೆಕ	ಕ್ಕುಬಂದಿ			
		ಐನ್ ಎ-ಗು	ಖರಾಬು ಎ-ಗು	ಬಾಕಿ ಎ-ಗು	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ	
1	2	3	4	5	6	7	8	9	
1.	51/2	0-021/2	-	0-02½	ಗೇಲ್ ಇಂಡಿಯಾ ಪ್ಲಾಂಟ್	51/5ರ ಉಳಿಕೆ	51/4 51/5	ರಸ್ತೆ	
	ಒಟ್ಟು	0-021/2	-	0-021/2	57				

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 06 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:18.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 28 (1) ರನ್ವಯ ಅಧಿಸೂಚನೆ

ಕೆಳಕಂಡ ಷೆಡ್ಯೂಲ್ನಲ್ಲಿ ನಮೂದಿಸಿರುವ ಜಮೀನುಗಳು ಕೈಗಾರಿಕಾ ಉದ್ದೇಶಿತ ಯೋಜನೆಗಾಗಿ ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸರ್ಕಾರಕ್ಕೆ ಬೇಕಾಗಿದೆ.

1966ರ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಕಾಯ್ದೆಯ ವಿಧಿ 28(1) (1966ರ 18ನೇ ನಂ.ಕಾಯ್ದೆಯ) ಪ್ರಕಾರ ದತ್ತವಾದ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಸದರಿ ಜಮೀನನ್ನು ಮೆ|| ಗೇಲ್ (ಇಂಡೀಯಾ) ಲಿಮಿಟೆಡ್ ರವರಿಗೆ ಭೂಸ್ವಾಧೀನ ಪಡಿಸಿಕೊಳ್ಳುವ ಉದ್ದೇಶದಿಂದ ಈ ಅಧಿಸೂಚನೆ ಪ್ರಕಟಿಸಲಾಗಿದೆ.

ಮೇಲ್ಕಂಡ ಕಾಯ್ದೆಯ ವಿಧಿ 35ರ ಮೇರೆಗೆ ಕೆಲಸ ನಿರ್ವಹಿಸಲು ಈ ಜಮೀನುಗಳಿಗೆ ಪ್ರವೇಶಿಸುವ ಯಾವುದೇ ವ್ಯಕ್ತಿಯನ್ನು ತಡೆಯುವುದಾಗಲೀ ಅಥವಾ ಅಡ್ಡಿ ಪಡಿಸುವುದಾಗಲೀ ಮಾಡಕೂಡದೆಂದು ಈ ಜಮೀನುಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಹೊಂದಿರುವ ಎಲ್ಲಾ ವ್ಯಕ್ತಿಗಳಿಗೂ ಈ ಮೂಲಕ ಎಚ್ಚರಿಸಲಾಗಿದೆ.

ಈ ಅಧಿಸೂಚನೆ ಪ್ರಕಟಣೆಯಾಗಿರುವ ತಾರೀಖಿನ ನಂತರ ಬೆಂಗಳೂರು ವಿಭಾಗದ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಮಂಡಳಿಯ ವಿಶೇಷ ಭೂಸ್ವಾಧೀನಾಧಿಕಾರಿಯವರ ಅನುಮತಿಯಿಲ್ಲದೆ ಸದರಿ ಜಮೀನುಗಳನ್ನು ವಿಲೆ ಮಾಡಲು, ಒಪ್ಪಂದ ಕ್ರಯ, ಭೋಗ್ಯ, ಲೀಸ್, ಅದಲು-ಬದಲು ವಗೈರೆ ಮಾಡುವಂತಿಲ್ಲ ಮತ್ತು ಸದರಿ ಜಮೀನುಗಳಲ್ಲಿ ಈ ಅಧಿಸೂಚನೆ ಪ್ರಕಟಣೆ ನಂತರ ಕಟ್ಟಡಗಳ ನಿರ್ಮಾಣ ಮತ್ತಿತರ ಅಭಿವೃಧ್ಧಿ ಕೆಲಸಗಳನ್ನು ಮಾಡುವಂತಿಲ್ಲ. ಒಂದು ವೇಳೆ ಮಾಡಿದರೂ 1894ರ ಭೂಸ್ವಾಧೀನ ಕಾಯ್ದೆ ವಿಧಿ 24 (ನಿಯಮ 7) ಕರ್ನಾಟಕ ತಿದ್ದುಪಡಿ ಮಾಡಿರುವ ಕಾಯ್ದೆ 17:1961 ಮತ್ತು 1966ರ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಕಾಯ್ದೆ ವಿಧಿ 30ನ್ನು ಓದಿಕೊಳ್ಳುವ ಮೇರೆಗೆ ಪರಿಹಾರಧನ ನಿಗಧಿ ಮಾಡುವಾಗ ಈ ಅಂಶಗಳನ್ನು ಗಣನೆಗೆ ತೆಗೆದುಕೊಳ್ಳಲಾಗುವುದಿಲ್ಲ ಮತ್ತು ಅಂತಿಮವಾಗಿ ಜಮೀನುಗಳನ್ನು ಸ್ವಾಧೀನ ಪಡಿಸಿಕೊಳ್ಳಲಾಗುವುದು.

ಈ ಜಮೀನುಗಳ ಒಂದು ನಕ್ಷೆಯನ್ನು ಬೆಂಗಳೂರು ವಿಭಾಗದ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಮಂಡಳಿಯ, ವಿಶೇಷ ಭೂಸ್ವಾಧೀನಾಧಿಕಾರಿ-2, ಬೆಂಗಳೂರು ರವರ ಕಛೇರಿಯಲ್ಲಿ ಪರಿಶೀಲನೆಗೆ ಇಡಲಾಗಿದೆ.

ಅನುಸೂಚಿ

		ಗ್ರಾಮ:ಸೂಲಿವಾರ	ಹೋಬ	ಳಿ:ತಾವರೆಕ	ರೆ ತಾಲ್ಲೂಕ	ಕು:ಬೆಂಗಳೂ	ರು ದಕ್ಷಿ	ಣ ಜಿ ಲ್ತೆ	್ಷ:ಬೆಂಗಳೂರು	ನಗರ		
₹ j.	ಖಾತೆದಾರರ	ಅನುಭವ ದಾರರ	ಸರ್ವೆ	ಭೂಸ	ಪ್ಪಧ್ <u>ೀ</u> ನಕ್ಕೊಳ	ಶ ಪಟ್ಟ			ಚೆಕ್ಕುಬಂದಿ			
ಸಂ	ಹೆಸರು	ಹೆಸರು	ನಂ		ವಿಸ್ತೀರ್ಣ		ತರ	ಆಕಾರ				
				ಐನ್	ಖರಾಬು	ಬಾಕಿ	ಹೆ		ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
				ಎ-ಗು	ಎ-ಗು	ಎ-ಗು			-		_	
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	ಎಸ್.ಎನ್.ಪರಮೇ	ಎಸ್.ಎನ್.ಪರಮೇ	51/2	0-02½	-	0-021/2			ಗೇಲ್	51/5ರ	51/4	ರಸ್ತೆ
	ಶ್ವರ ಬಿನ್ ಲೇ	ಶ್ವರ ಬಿನ್ ಲೇ							ಇಂಡಿಯಾ	ಉಳಿಕೆ	51/5	
	ನಂಜಅರಸಪ್ಪ	ನಂಜಅರಸಪ್ಪ							ಪ್ಲಾಂಟ್			
			ಒಟ್ಟು	0-021/2	-	0-02½						

-:: ಪೋಷ್ಕಾರೆ ::-

ಕ್ರ.ಸಂ.	ಗ್ರಾಮದ ಹೆಸರು			
	-	ಐನು ಎ-ಗು	ಖರಾಬು ಎ-ಗು	ಬಾಕಿ ಎ-ಗು
1	ಸೂಲಿವಾರ	0-02½	-	0-02½
	ಒಟ್ಟು	0-02½	-	0-02½

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 4 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:20.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 1 (3) ರನ್ಯಯ ಅಧಿಸೂಚನೆ

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966)ರ ಕಲಂ 1 ರ ಉಪ ಕಲಂ (3) ರನ್ವಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಕಲಬುರಗಿ ಜಿಲ್ಲೆ, ಚಿತ್ತಾಪೂರ ತಾಲೂಕು, ನಾಲವಾರ ಹೋಬಳಿಯ ಬಸವೇಶ್ವರ ನಗರ ಗ್ರಾಮದಲ್ಲಿ ಜೆ.ಎಂ.ಸಿಯಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಭೂಸ್ವಾಧೀನಕ್ಕೆ ಒಳಪಟ್ಟಿರುವ ಸರ್ವೆ ನಂಬರುಗಳು ಮತ್ತು ಹಿಸ್ಸಾ ನಂಬರುಗಳ ವಿಸ್ತೀರ್ಣವನ್ನು ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಯೋಜನೆಗಾಗಿ ಅಂಕಣ(2) ರಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನಿನ ಕ್ಷೇತ್ರವನ್ನು ಅಂಕಣ (3) ರಲ್ಲಿ ಕಾಣಿಸುವಂತೆ ಅಂಕಣ (4) ರಿಂದ (7) ರ ವರೆಗೆ ವಿವರಿಸಿದ ಚಕಬಂದಿ (ಚತುಸೀಮೆ)ಯನ್ನು ಒಳಗೊಂಡಿರುವ ಪ್ರದೇಶವನ್ನು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಅದ್ಯಾಯ 7 ರಲ್ಲಿಯ ಉಪಬಂಧಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆ ದಿನಾಂಕದಿಂದ ಚಲಾಯಿಸಲಾಗುತ್ತದೆ ಅಂತಾ ಈ ಮೂಲಕ ನಿಗದಿಪಡಿಸಿದೆ.

ಅನುಸೂಚಿ

ಜಿಲ್ಲೆ:ಕಲಬುರಗಿ		ತಾಲೂಕು: ಚಿತ್ತಾಪೂರ	ಹೋಬಳಿ:ನಾಲವಾರ		ಗ್ರಾಮ:ಬಸವೇಶ್ವರ ನಗರ		
ಕ್ರ.ಸಂ	ರಿ.ಸರ್ವೆ ನಂಬರ	ಸ್ವಾಧೀನಪಡಿಸಿರುವ ಅಂದಾಜು ವಿಸ್ತೀರ್ಣ ಎ-ಗು	ఙు	ಚೆಕಬಂದಿ (ಚತುಸಿ(ಮೆ)			
				ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
01	02	03		04	05	06	07
1	74/*	4-36		75	ರಸ್ತೆ	77	73

2	75/1,2,3	00-32	86	ರಸ್ತೆ	76	74
	ಒಟ್ಟು	5-28				

-:ಘೋಷ್ವಾರೆ:-

ಕ್ರ ಸಂ	ಜಿಲ್ಲೆ /ತಾಲೂಕು/ಗ್ರಾಮ	ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ	ಪೋಟಖರಾಬ ವಿಸ್ತೀರ್ಣ	ನಿವ್ವಳ ವಿಸ್ತೀರ್ಣ
01	02	03	04	05
01	ಜಿಲ್ಲೆ:ಕಲಬುರಗಿ ತಾಲೂಕು:ಚಿತ್ತಾಪೂರ ಗ್ರಾಮ:ಬಸವೇಶ್ವರನಗರ	5-28	-	5-28
	ఒట్కు	5-28	-	5-28

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ. ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 4 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:20.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 3 (1) ರನ್ಯಯ ಅಧಿಸೂಚನೆ

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966)ರ ಕಲಂ 3 ರ ಉಪ ಕಲಂ (1) ರನ್ವಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಕಲಬುರಗಿ ಜಿಲ್ಲೆ, ಚಿತ್ತಾಪೂರ ತಾಲ್ಲೂಕು, ನಾಲವಾರ ಹೋಬಳಿಯ ಬವೇಶ್ವರ ನಗರ ಗ್ರಾಮದಲ್ಲಿ ಜೆ.ಎಂ.ಸಿಯಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಭೂಸ್ವಾಧೀನಕ್ಕೆ ಒಳಪಟ್ಟಿರುವ ಸರ್ವ ನಂಬರುಗಳು ಮತ್ತು ಹಿಸ್ಸಾ ನಂಬರುಗಳ ವಿಸ್ತೀರ್ಣವನ್ನು ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಯೋಜನೆಗಾಗಿ ಅಂಕಣ(2) ರಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನಿನ ಕ್ಷೇತ್ರವನ್ನು ಅಂಕಣ (3) ರಲ್ಲಿ ಕಾಣಿಸುವಂತೆ ಅಂಕಣ (4) ರಿಂದ (7) ರ ವರೆಗೆ ವಿವರಿಸಿದ ಚಕಬಂದಿ (ಚತುಸೀಮೆ)ಯನ್ನು ಒಳಗೊಂಡಿರುವ ಪ್ರದೇಶವನ್ನು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಅದ್ಯಾಯ 7 ರಲ್ಲಿಯ ಉಪಬಂಧಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆ ದಿನಾಂಕದಿಂದ ಚಲಾಯಿಸಲಾಗುತ್ತದೆ. ಅಂತಾ ಈ ಮೂಲಕ ನಿಗದಿಪಡಿಸಿದೆ.

<u>ಅನುಸೂಚಿ</u>

	ಜಿಲ್ಲೆ:ಕಲಬು	ರಗಿ ತಾಲೂಕು:ಚಿತ್ತಾಪೂರ ಹೋಬಳಿ:ನಾ	ಾಲವಾರ	ಗ್ರಾವ	ು:ಬಸವೇಶ್ವೕ	ರ ನಗರ				
٠ ـ ـ ـ	ರಿ.ಸರ್ವೆ	ಸ್ವಾಧೀನಪಡಿಸಿರುವ ಅಂದಾಜು ವಿಸ್ತೀರ್ಣ ಎ-		ಚೆಕಬಂದಿ (ಚತುಸೀಮೆ)						
ಕ್ರ.ಸಂ	ನಂಬರ	ಗು	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ				
01	02	03	04	05	06	07				
01	74/*	4-36	75	ರಸ್ತೆ	77	73				
02	75/1,2,3	00-32	86	ರಸ್ತೆ	76	74				
	ಒಟ್ಟು	5-28 ಎಕರೆ								

-:ಘೋಷ್ಟಾರೆ:-

ಕ್ರ ಸಂ	ಜಿಲ್ಲೆ /ತಾಲೂಕು/ಗ್ರಾಮ	ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ	ಪೋಟಖರಾಬ ವಿಸ್ತೀರ್ಣ	ನಿವ್ವಳ ವಿಸ್ತೀರ್ಣ
01	02	03	04	05
01	ಜಿಲ್ಲೆ: ಕಲಬುರಗಿ ತಾಲೂಕು:ಚಿತ್ತಾಪೂರ ಗ್ರಾಮ: ಬಸವೇಶ್ವರನಗರ	5-28	-	5-28
	ఒట్టు	5-28	-	5-28

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ. ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 4 ಎಸ್ಪಿಕ್ಯೂ 2025

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:20.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ ಕಾಯ್ದೆ 1966 ರ ಕಲಂ 28 (1) ರನ್ವಯ ಅಧಿಸೂಚನೆ

ಈ ಕೆಳಗಿನ ಅನುಸೂಚಿಯಲ್ಲಿ ಕಾಣಿಸಿರುವ ಜಮೀನುಗಳು ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿಗೆ ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಯೋಜನೆಗಾಗಿ ಬೇಕಾಗಿದೆ ಎಂಬುದಾಗಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಅಭಿಪ್ರಾಯ ಪಟ್ಟಿದೆ. ಅಂದರೆ ಕಲಬುರಗಿ ಜಿಲ್ಲೆ, ಚಿತ್ತಾಪೂರ ತಾಲ್ಲೂಕು, ನಾಲವಾರ ಹೋಬಳಿಯ ಬಸವೇಶ್ವರನಗರ ಗ್ರಾಮದಲ್ಲಿ ಜೆ.ಎಂ.ಸಿ.ಯಲ್ಲಿ ಹೆಚ್ಚುವರಿಯಾಗಿ ಭೂಸ್ವಾಧೀನಕ್ಕೆ

ಒಳಪಟ್ಟಿರುವ ಸರ್ವೆ ನಂಬರುಗಳು ಮತ್ತು ಹಿಸ್ಸಾ ನಂಬರುಗಳ ವಿಸ್ತೀರ್ಣವನ್ನು ಗದಗ-ವಾಡಿ ರೈಲ್ವೆ ಯೋಜನೆಗಾಗಿ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿಗೆ ಅವಶ್ಯವಿರುತ್ತದೆ ಎಂದು ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಉದ್ದೇಶಿಸಿದೆ.

ಆದ್ದರಿಂದ 1966 ನೇ ಸಾಲಿನ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ (ಕರ್ನಾಟಕ ಕಾಯ್ದೆ 18:1966) ರ ಕಲಂ 28 ರ ಉಪ ಕಲಂ (1) ರನ್ನಯ ವಿಹಿತವಾಗಿರುವ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರವು ಪ್ರಸ್ತುತ ಜಮೀನುಗಳನ್ನು ಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳಲು ಉದ್ದೇಶಿಸಿ ಈ ಮೂಲಕ ಸೂಚನೆ ಕೊಡಲಾಗಿದೆ.

ಪ್ರಸ್ತುತ ಕಾಯ್ದೆಯ ಕಲಂ 35 ರಲ್ಲಿ ಕಾಣಿಸಿರುವ ಉದ್ದೇಶಕ್ಕೆ ಸದರಿ ಭೂಮಿಗೆ ಪ್ರವೇಶಿಸುವ ಯಾವುದೇ ವ್ಯಕ್ತಿ ಅಡ್ಡಿಪಡಿಸಕೂಡದೆಂದು ಅಥವಾ ಮಧ್ಯೆ ಪ್ರವೇಶಿಸುವುದಾಗಲಿ ಅಥವಾ ಅವರನ್ನು ತಡೆಯುವುದಾಗಲಿ ಮಾಡಕೂಡದೆಂದು ಪ್ರಸ್ತುತ ಜಮೀನುಗಳಲ್ಲಿ ಆಸಕ್ತಿ ಇರುವವರಿಗೆಲ್ಲಾ ಈ ಮೂಲಕ ಎಚ್ಚರಿಸಲಾಗಿದೆ. ಈ ಅಧಿಸೂಚನೆ ಪ್ರಕಟಣೆಯಾದ ದಿನಾಂಕದ ನಂತರ ಸದರಿ ಜಮೀನಿನ ಮಾರಾಟ, ವಿಲೇವಾರಿ, ಗುತ್ತಿಗೆ ಅಡಮಾನ, ಹಸ್ತಾಂತರಣ ವಿನಿಮಯ, ಕಟ್ಟಡಗಳ ನಿರ್ಮಾಣ ಅಥವಾ ಇನ್ನಾವುದೇ ರೀತಿಯ ಒಪ್ಪಂದಗಳನ್ನು ಅಥವಾ ಯಾವೊಂದು ಭೂ ಅಭಿವೃದ್ಧಿಗಳನ್ನು ಈ ಅಧಿಸೂಚನೆಯು ಪ್ರಕಟಗೊಂಡ ದಿನಾಂಕದ ನಂತರ ವಿಶೇಷ ಭೂಸ್ವಾಧೀನ ಅಧಿಕಾರಿಗಳು, ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ, ಕಲಬುರಗಿ ಇವರ ಮಂಜೂರಾತಿಯನ್ನು ಪಡೆಯದೇ ಮಾಡಿದ ಪಕ್ಷದಲ್ಲಿ 2013ರ ರೈಟ್ ಟು ಫೇರ್ ಕಾಂಪನ್ಸೇಶನ್ ಅಂಡ್ ಲ್ಯಾಂಡ್ ಆಕ್ಟೇಷನ್, ರಿಸೆಟಲ್ಮಂಟ್ ಆ್ಯಕ್ಟ್ 2013 (Right to fair Compensation and Land Acquisition,Resettlement Act 2013) ಮತ್ತು 1966 ರ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ ವಿಧಿ 30 ಅನ್ನು ಓದಿಕೊಳ್ಳುವ ಮೇರೆಗೆ ಪರಿಹಾರ ನಿಗದಿ ಮಾಡುವಾಗ ಈ ಅಂಶಗಳನ್ನು ಗಣನೆಗೆ ತೆಗೆದುಕೊಳ್ಳುವುದಿಲ್ಲ.

ಸದರಿ ಜಮೀನಿನ ಒಂದು ಕರಡು ನಕ್ಷೆಯನ್ನು ವಿಶೇಷ ಭೂಸ್ವಾಧೀನ ಅಧಿಕಾರಿಗಳು, ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಮಂಡಳಿ, ವಲಯ ಕಚೇರಿ, **ಕಪನೂರು ಕೈಗಾರಿಕಾ ಪ್ರದೇಶ, ಹುಮನಾಬಾದ ರಸ್ತೆ ಕಲಬುರಗಿ-585104** ಇವರ ಕಾರ್ಯಾಲಯದಲ್ಲಿ ಪರಿಶೀಲನೆಗಾಗಿ ಇಡಲಾಗಿದೆ.

೧೦೫೧

ಅನುಸೂಚಿ

	ಜಿಲ್ಲೆ:ಕಲಬುರಗಿ	ಹೋಬ	- ುಳಿ:ನಾಲವಾ	ಾರ	ಗ್ರಾಮ:ಬಸವೇಶ್ವರ ನಗರ						
ಕ್ರ	ಖಾತೆದಾರರ	ಅನುಭವ	ರಿ ಸರ್ವೆ	ಸ್ವಾಧೀನ ಪಡಿಸುವ	ಆಕಾರ	జమిఁని	ಚೆಕಬಂದಿ (ಚತುಸೀಮೆ)				
ಸಂ	ಹೆಸರು	ದಾರರ ಹೆಸರು	ನಂ	ಅಂದಾಜು ವಿಸ್ತೀರ್ಣ ಎ-ಗು	ರೂ-ಪೈ	ನ ತರಹೆ	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ	
01	02	03	04	05	06	07	08	09	10	11	
01	ಅಫ್ಸರ ಜಹಾನ ಕೋಂ. ಎಮ್ ಡಿ ಪಟೇಲ್	ಸ್ವಂತ	74/*	4-36	92-54	ಖುಷ್ಕಿ	75	ರಸ್ತೆ	77	73	
02	ಮೊಹ್ಮದ ಮೊಯಿನೋದ್ದೀನ ತಂದೆ ಅಲ್ಲಾವುದ್ದೀನ ಖುರೇಷಿ	ಸ್ವಂತ	75/1,2,3	00-32	10.99	ಖುಷ್ಕಿ	86	ರಸ್ತೆ	76	74	
			ಒಟ್ಟು	5-28							

-:ಘೋಷ್ವಾರೆ:-

ಕ್ರ ಸಂ	ಜಿಲ್ಲೆ/ತಾಲೂಕು/ಗ್ರಾಮ	ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ ಎ-ಗು	ಪೂಟಖರಾಬ ವಿಸ್ತೀರ್ಣ	ನಿವ್ವಳ ವಿಸ್ತೀರ್ಣ
01	02	03	04	05
01	ಜಿಲ್ಲೆ: ಕಲಬುರಗಿ ತಾಲೂಕು: ಚಿತ್ತಾಪೂರ ಗ್ರಾಮ: ಬಸವೇಶ್ವರನಗರ	5-28	-	5-28
	ఒట్టు	5-28	-	5-28

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ. ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಸಂಖ್ಯೆ: ಸಿಐ 98 ಎಸ್ಪಿಕ್ಯೂ 2024

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ ವಿಕಾಸಸೌಧ, ಬೆಂಗಳೂರು, ದಿನಾಂಕ:20.01.2025

ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಕಾಯ್ದೆ 1966ರ ವಿಧಿ 28(4)ರನ್ನಯ ಅಧಿಸೂಚನೆ

1966ರ ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃಧ್ಧಿ ಕಾಯ್ದೆ ವಿಧಿ 28(1)ರ ಪ್ರಕಾರ ದತ್ತವಾದ ಅಧಿಕಾರದ ಮೇರೆಗೆ ದಿನಾಂಕ 24.04.2010ರ ಅಧಿಸೂಚನೆ ಸಂಖ್ಯೆ : ಸಿಐ 233 ಎಸ್.ಪಿ.ಕ್ಯೂ 2010 ಬೆಂಗಳೂರು, ದಿನಾಂಕ 24.04.2010 ರ ಭೂಸ್ವಾಧೀನಕ್ಕೆ ಒಳಪಟ್ಟ ಪ್ರದೇಶದ ಪ್ರಕಾರ ಸರ್ಕಾರ ಸದರಿ ಅಧಿಸೂಚನೆಯಲ್ಲಿ ನಮೂದಿಸಲ್ಪಟ್ಟಿರುವ ಜಮೀನುಗಳನ್ನು ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ದಿ ಉದ್ದೇಶಕ್ಕಾಗಿ ಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳಲು ಇಚ್ಚಪಟ್ಟಿದೆ.

ಮೇಲ್ಕಂಡ ಅಧಿಸೂಚನೆಯ ಷೆಡ್ಯೂಲ್ ನಲ್ಲಿ ನಮೂದಿಸಲ್ಪಟ್ಟಿರುವ ಜಮೀನುಗಳನ್ನು ಪ್ರಕಟಿಸಲಾಗಿರುವ ಉದ್ದೇಶಕ್ಕಾಗಿ ಭೂಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳ ಬೇಕಾಗಿರುವುದು ಕರ್ನಾಟಕ ಸರ್ಕಾರಕ್ಕೆ ಮನದಟ್ಟಾಗಿದೆ. ಈ ಬಗ್ಗೆ ಮೇಲ್ಕಂಡ ಕಾಯ್ದೆ ವಿಧಿ 28(3)ರ ಪ್ರಕಾರ ಆದೇಶ ಹೊರಡಿಸಲಾಗಿದೆ.

ಆದುದರಿಂದ, ಈಗ 1966ರ ಕೆಐಎಡಿ ಕಾಯ್ದೆ ವಿಧಿ 28(4)ರ (1966ರ ಕರ್ನಾಟಕ ಕಾಯ್ದೆ ಸಂಖ್ಯೆ:18) ರ ಮೇರೆಗೆ ದತ್ತವಾದ ಅಧಿಕಾರದ ಮೇರೆಗೆ ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಈ ಕೆಳಗೆ ನಮೂದಿಸಿರುವ ಜಮೀನುಗಳನ್ನು ಅಧಿಸೂಚನೆಯಲ್ಲಿ ತಿಳಿಸಿರುವ ಉದ್ದೇಶಕ್ಕಾಗಿ ಭೂಸ್ವಾಧೀನಪಡಿಸಿಕೊಳ್ಳಲಾಗಿದೆ ಎಂದು ಈ ಮೂಲಕ ಘೋಷಿಸಲಾಗಿದೆ.

ಅನುಸೂಚಿ

	ಗ್ರಾಮ : ಬಡಗವಾರಹಳ್ಳಿ ಹೋಬಳಿ: ಕಸ					<u>ಾಲ್ಲೂಕ</u>) : ઋ૦	2	ಜಿಲ್ಲೆ : ಚಿಕ್ಕಬಳ್ಳಾಪುರ			
ಕ್ರ ಸಂ	ಖಾತೆದಾರರ ಹೆಸರು	ಅನುಭವದಾರರ ಹೆಸರು	ಸರ್ವೆ ನಂ	ಭೂಸ	ಭೂಸ್ವಾಧೀನಕ್ಕೊಳಪಟ್ಟ ವಿಸ್ತೀರ್ಣ					ಚೆಕ್ಕುಬಂದಿ		
				ಐನ್ ಎ–ಗು	ಖರಾ ಬು ಎ–ಗು	ಬಾಕಿ ಎ–ಗು	ತರಹೆ	ಆಕಾರ	ಪೂರ್ವ	ಪಶ್ಚಿಮ	ಉತ್ತರ	ದಕ್ಷಿಣ
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	ಜಿ.ಆರ್.ಕೃಷ್ಣಾರೆಡ್ಡಿ ಬಿನ್ ರಾಮಸ್ವಾಮಿ ಹರೀಶ್ ಟಿ.ಎನ್. ಬಿನ್	ಜಿ.ಆರ್.ಕೃಷ್ಣಾರೆ ಡ್ಡಿ ಬಿನ್ ರಾಮಸ್ವಾಮಿ	54	2-06	0-09	1-37	2-15	ಖುಷ್ಕಿ	77	ರಸ್ತೆ	76	77

	టి.ఎనో											
		ಹರೀಶ್										
	ರಾಮಚಂದ್ರರೆಡ್ಡಿ	ಟಿ.ಎನ್.ಬಿನ್										
	ರಮೇಶ್ ಕೆ. ಬಿನ್	ಟಿ.ಎನ್										
	ವೆಂಕಟರೆಡ್ಡಿ, ಸರ್ಕಾರಿ	ರಾಮಚಂದ್ರರೆಡ್ಡಿ										
	ತಳವಾರ ಇನಾಮಂತಿ	ರಮೇಶ್ ಕೆ. ಬಿನ್										
		ವೆಂಕಟರೆಡ್ಡಿ										
2.	ಸರ್ಕಾರಿ ಖರಾಬು	ಸರ್ಕಾರಿ ಖರಾಬು	55ರ	27-07	27-07	-	-	-	ಮಾಕಲ	ಮರಿಮಾ	ಸೋಮ	31,
	ಗಂಗಮ್ಮ ಕೋಂ ಲೇ∥	ಲಕ್ಷಮ್ಮ ಕೋಂ.	ಪೈಕಿ	2-00	-	2-00			ಸಣ್ಣಹಳ್ಳಿ	ಕಲಹಳ್ಳಿ	ಯಾಜಲ	62, 63
	ರಾಮಪ್ಪ, ಲಕ್ಷಮ್ಮ	ಲೇಟ್ ಬತ್ತೆಪ್ಪ							ಗಡಿ,	ಗಡಿ	ಹಳ್ಳಿ,	
	ಕೋಂ. ಲೇಟ್ ಬತ್ತೆಪ್ಪ	ದ್ಯಾವಪ್ಪ ಬಿನ್							ಕಾಗತಿ		ಕನಿಶೆಟ್ಟ	
	ದ್ಯಾವಪ್ಪ ಬಿನ್ ಬೆತ್ತಪ್ಪ	ಬೆತ್ತೆಪ್ಪ							ಗಡಿ		ಹಳ್ಳಿ ಗಡಿ	
	ಶ್ರೀ. ವೆಂಕಟರಮಣಪ್ಪ) 3 ₁ (.										
	ಬಿನ್ ಲೇಟ್ ಚಿಕ್ಕಬೆತ್ತಪ್ಪ	ವೆಂಕಟರಮಣಪ್ಪ										
	ಶ್ರೀ.ದ್ಯಾವಪ್ಪ ಬಿನ್	ಬಿನ್ ಲೇಟ್										
	ಲೇಟ್ ಬೆತ್ತಪ್ಪ ಮೇಲಿನ	ಚಿಕ್ಕಬೆತ್ತೆಪ್ಪ										
	ಜಂಟಿ	ಶ್ರೀ.ದ್ಯಾವಪ್ಪ ಬಿನ್										
	ಕೃಷ್ಣಪ್ಪ ಬಿನ್ ಲೇಟ್	ಲೇಟ್ ಬೆತ್ತಪ್ಪ										
	ಹನುಮಪ್ಪ	ಮೇಲಿನ ಜಂಟಿ										
	ನಾರಾಯಣ ಸ್ವಾಮಿ	ಕೃಷ್ಣಪ್ಪ ಬಿನ್										
	ಬಿನ್ ನಾರಾಯಣಪ್ಪ	ಲೇಟ್ ಹನುಮಪ್ಪ										
	ಕಲ್ಲಪ್ಪ ಬಿನ್ ಲೇಟ್	ನಾರಾಯಣ										
	ನಾರಾಯಣಪ್ಪ	ಸ್ವಾಮಿ ಬಿನ್										
	ಹೊನ್ನಪ್ಪ ಬಿನ್	ನಾರಾಯಣಪ್ಪ										
	ನಾರಾಯಣಪ್ಪ	ಕಲ್ಲಪ್ಪ ಬಿನ್ "										
	ಚಿಕ್ಕಸಂದಪ್ಪ ಬಿನ್	ಲೇಟ್ "										
	ಸಂದಪ್ಪ,	ನಾರಾಯಣಪ್ಪ										
	ವೆಂಕಟಶಾಮಪ್ಪ ಬಿನ್	ಹೊನ್ನಪ್ಪ ಬಿನ್										
	ಸಂದಪ್ಪ	ನಾರಾಯಣಪ್ಪ										
	ದೀಲೀಪ್ ಕುಮಾರ್	ಚಿಕ್ಕಸಂದಪ್ಪ										

ಬಿನ್ ಲೇಟ್ ಎಸ್.	09 -4 → 0-4-	
•	ಬಿನ್ ಸಂದಪ್ಪ,	
ಬಾಲಾಜಿ	ವೆಂಕಟಶಾಮಪ್ಪ	
ತಿಪ್ಪಮ್ಮ ಬಿನ್ ಲೇಟ್	ಬಿನ್ ಸಂದಪ್ಪ	
ವೆಂಕಟರಾಯಪ್ಪ	ದೀಲೀಪ್	
ನಾಗರಾಜು ಬಿನ್ ಎಸ್.	ಕುಮಾರ್ ಬಿನ್	
ನಾರಾಯಣಚಾರಿ ಲೇಟ್	ಲೇಟ್ ಎಸ್.	
ಎಂ. ಮಂಜುನಾಥ್	තවස	
ಬಿನ್ ಲೇಟ್	ತಿಪ್ಪಮ್ಮ ಬಿನ್	
ಮುನಿಯಪ್ಪ	් දැහැ	
ವೆಂಕಟೇಶಪ್ಪ ಬಿನ್	ವೆಂಕಟರಾಯಪ್ಪ	
ದೊಡ್ಡಸುಬ್ಬನ್ನ	ನಾಗರಾಜು ಬಿನ್	
ಪಾಪಮ್ಮ ಕೋಂ.	ಎಸ್.	
ಚಿಕ್ಕಸುಬ್ಬನ್ನ	ನಾರಾಯಣಚಾರಿ	
ಎನ್.ನಾಗರಾಜ್ ಬಿನ್	් ප්රස්	
ಲೇಟ್ ಎಸ್.ನಾರಾಯಣ	ఎం.	
ಚಾರಿ	ಮಂಜುನಾಥ್	
ವೆಂಕಟಶಾವಿು ಬಿನ್	ಬಿನ್ ಲೇಟ್	
ಸಂದಪ್ಪ, ಶ್ರೀರಾಮಪ್ಪ	ಮುನಿಯಪ್ಪ	
ಬಿನ್ ಮುದ್ದಪ್ಪ,	ವೆಂಕಟೇಶಪ್ಪ	
ಕೃಷ್ಣಪ್ಪ ಬಿನ್	ಬಿನ್	
ಮುದ್ದಣ್ಣ, ರತ್ನಮ್ಮ	ದೊಡ್ಡಸುಬ್ಬನ್ನ	
ಕೋಂ ಸುಂದರಪ್ಪ,	ಪಾಪಮ್ಮ ಕೋಂ.	
ನಾರಾಯಣಸ್ವಾಮಿ	ಚಿಕ್ಕಸುಬ್ಬನ್ನ	
ಬಿನ್ ಮುದ್ದಪ್ಪ	ಎನ್.ನಾಗರಾಜ್	
ವಿ.ಎಸ್. ಅಂಬಿಕ ಕೋಂ	ಬಿನ್ ಲೇಟ್	
ಪ.ಪಗ. ೦೦೩೦ ೩೩೦ ಲೇಟ್	ಎಸ್.ನಾರಾಯಣ	
ನಾರಾಯಣಸ್ವಾಮಿ,	ෂಾර ಿ	
ಪರಾಮಕೃಷ್ಣಪ್ಪ ಬಿನ್	ಎಂಕಟಶಾಮಿ	
ಪರಾಮರೃಷ್ಣಪ್ಪ <i>ಏ</i> ನ ಮುನಿಶಾವಿು,	ಬಿನ್ ಸಂದಪ್ಪ,	
ഡാറാബ,		

	1 - 1		1			
ತಿಪ್ಪಮ್ಮ ಕೋಂ. ಲೇಟ್	ಶ್ರೀರಾಮಪ್ಪ ಬಿನ್					
ವೆಂಕಟರಾಯಪ್ಪ,	ಮುದ್ದಪ್ಪ,					
ಚಿಕ್ಕಸಂದಪ್ಪ ಬಿನ್	ಕೃಷ್ಣಪ್ಪ ಬಿನ್					
ಸಂದಪ್ಪ,	ಮುದ್ದಣ್ಣ,					
ವೆಂಕಟಶಾಮಪ್ಪ ಬಿನ್	ರತ್ನಮ್ಮ ಕೋಂ					
ಸಂದಪ್ಪ, ದೀಲೀಪ್	ಸುಂದರಪ್ಪ,					
ಕುಮಾರ್ ಲೇಟ್ ಎಸ್.	ನಾರಾಯಣಸ್ವಾ					
ಬಾಲಾಜಿ,	ವಿು ಬಿನ್					
ತಿಪ್ಪಮ್ಮ ಕೋಂ. ಲೇಟ್	ಮುದ್ದಪ್ಪ,					
ವೆಂಕಟರಾಯಪ್ಪ,	ವಿ.ಎಸ್. ಅಂಬಿಕ					
ಅನಿತ ಬಿ.ಕೋಂ.	ಕೋಂ ಲೇಟ್					
ವೆಂಕಟಾಚಲಪತಿ ವಿ.	ನಾರಾಯಣಸ್ವಾ					
ನಂದಿನಿ.ಕೆ.ಆರ್	ವಿು,					
ಕೋಂ. ಮಂಜುನಾಥ.	ಪರಾಮಕೃಷ್ಣಪ್ಪ					
ಎಂ. ಮೇಲಿನ ಜಂಟಿ,	ಬಿನ್ ಮುನಿಶಾಮಿ,					
ಭತ್ತಪ್ಪ ಬಿನ್	ತಿಪ್ಪಮ್ಮ ಕೋಂ.					
ರಾ.ನಾರಾಯಣಪ್ಪ,	ಲೇಟ್					
ಬೀರಮ್ಮ ಕೋಂ ಲೇಟ್	ವೆಂಕಟರಾಯಪ್ಪ,					
ವೆಂಕಟರವಣಪ್ಪ,	ಚಿಕ್ಕಸಂದಪ್ಪ					
ಚೌಡಮ್ಮ ಕೋಂ.	ಬಿನ್ ಸಂದಪ್ಪ,					
ವೆಂಕಟರವಣಪ್ಪ,	ವೆಂಕಟಶಾಮಪ್ಪ					
ರಾಜೇಶ್ ಕೆ.ಆರ್. ಬಿನ್	ಬಿನ್ ಸಂದಪ್ಪ,					
ರಮಣಪ್ಪ.,	ದೀಲೀಪ್					
	ಕುಮಾರ್ ಲೇಟ್					
	ಎಸ್. ಬಾಲಾಜಿ,					
	ತಿಪ್ಪಮ್ಮ ಕೋಂ.					
	ಲೇಟ್					
	ವೆಂಕಟರಾಯಪ್ಪ,					
	ಅನಿತ ಬಿ.ಕೋಂ.				 	

3.	ರಾಜೇಶ್ ಕೆ.ಆರ್ ಬಿನ್	ವೆಂಕಟಾಚಲಪತಿ ವಿ. ನಂದಿನಿ.ಕೆ.ಆರ್ ಕೋಂ. ಮಂಜುನಾಥ. ಎಂ. ಮೇಲಿನ ಜಂಟಿ, ಭತ್ತಪ್ಪ ಬಿನ್ ರಾ.ನಾರಾಯಣಪ್ಪ , ಬೀರಮ್ಮ ಕೋಂ ಲೇಟ್ ವೆಂಕಟರವಣಪ್ಪ, ಚೌಡಮ್ಮ ಕೋಂ. ವೆಂಕಟರವಣಪ್ಪ, ರಾಜೇಶ್ ಕೆ.ಆರ್. ಬಿನ್ ರಮಣಪ್ಪ,	61	1-38	0-01	1-37	2-97	ಖುಷ್ಕಿ	55	55	55	55
3.	ರಮಣಪ್ಪ	ಬಿನ್ ರಮಣಪ್ಪ	01	1-30	0-01	1-37	2-91	മാങ്	33	33	33	55
4.	ಮುನಿಯಪ್ಪ ಬಿನ್ ಮುನಿಶಾಮಪ್ಪ, ಕೃಷ್ಣಪ್ಪ ಬಿನ್ ಹುನುಮಪ್ಪ, ಮುನಿಯಪ್ಪ ಬಿನ್ ದೊಡ್ಡಸುಬ್ಬಣ್ಣ, ಕೃಷ್ಣಪ್ಪ ಬಿನ್ ಲೇ ಹನುಮಪ್ಪ	ಮುನಿಯಪ್ಪ ಬಿನ್ ಮುನಿಶಾಮಪ್ಪ, ಕೃಷ್ಣಪ್ಪ ಬಿನ್ ಹುನುಮಪ್ಪ, ಮುನಿಯಪ್ಪ ಬಿನ್ ದೊಡ್ಡಸುಬ್ಬಣ್ಣ, ಕೃಷ್ಣಪ್ಪ ಬಿನ್ ಲೇ ಹನುಮಪ್ಪ	71	3-00	0-22	2-18	4-81	ಖാಷ್ಕಿ	75	ಮಾಕಲ ಸಣ್ಣಹ ಳ್ಳಿ ಗಡಿ	ಕನಿಶೆಟ್ಟ ಹಳ್ಳಿ ಗಡಿ	73
5.	ವಿ.ನಾಗರಾಜು ಬಿನ್ ಲೇ	ವಿ.ನಾಗರಾಜು	72	2-04	ı	2-04	4-12	ಖುಷ್ಕಿ	ರಸ್ತೆ	ಮಾಕಲ	73	37

	ಮುನೀರಪ್ಪ, ಚಿಂತಾಮಣಿ ನಾಗರತ್ನಮ್ಮ ಬಿನ್ ಲೇ॥ ಮುನಿವೀರಪ್ಪ, ವಿ.ನಾಗರಾಜು ಬಿನ್ ಲೇ॥ ಮುನಿಯಪ್ಪ	ಬಿನ್ ಲೇ ಮುನೀರಪ್ಪ, ಚಿಂತಾಮಣಿ ನಾಗರತ್ನಮ್ಮ ಬಿನ್ ಲೇ॥ ಮುನಿವೀರಪ್ಪ, ವಿ.ನಾಗರಾಜು ಬಿನ್ ಲೇ॥ ಮುನಿಯಪ್ಪ								ಸಣ್ಣಹ ಳ್ಳಿ ಗಡಿ		
6.	ಖರಾಬು	ಖರಾಬು	73	4-16	4-16	ı	-	-	74	ಮಾಕಲ ಸಣ್ಣಹ ಳ್ಳಿ ಗಡಿ	71	72
7.	ಸರ್ಕಾರ	ಸರ್ಕಾರ	74	2-00	-	2-00	3-92	ಖುಷ್ಕಿ	ರಸ್ತೆ	73	71	73
8.	ಸರ್ಕಾರ	ಸರ್ಕಾರ	75	2-04	-	2-04	3-43	ಖುಷ್ಕಿ	ರಸ್ತೆ	71	ಕನಿಶೆಟ್ಟ ಹಳ್ಳಿ ಗಡಿ	74
9.	ಟಿ.ನಾರಾಯಣಸ್ವಾಮಿ ಬಿನ್ ಲೇ ತಿಮ್ಮಯ್ಯ	ಟಿ.ನಾರಾಯಣಸ್ವಾ ಮಿ ಬಿನ್ ಲೇ ತಿಮ್ಮಯ್ಯ	76	1-30	-	1-30	3-43	ಖುಷ್ಕಿ	55	ರಸ್ತೆ	ಕನಿಶೆಟ್ಟ ಹಳ್ಳಿ ಗಡಿ	54
10.	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	77ರ ಪೈಕಿ	3-30	-	3-30	7-35	ಖುಷ್ಕಿ	78,92	ರಸ್ತೆ	54	77ರ ಉಳಿಕೆ
11.	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	78	2-01	-	2-01	3-98	ಖುಷ್ಕಿ	79	76	55	92
12.	ಸರ್ಕಾರ	ಸಿ.ಎನ್.ನರಸಿಂಹ್ಮ ರೆಡ್ಡಿ ಬಿನ್ ನಾರಾಯಣಪ್ಪ	79	2-25	-	2-25	5-15	ಖುಷ್ಕಿ	80	78	55	91, 92
13.	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಪಹಣಿ ಲಭ್ಯವಿರುವುದಿಲ್ಲ	80	2-02	0-14	1-28	3-34	ಖುಷ್ಕಿ	81	79	55	89, 91, 90

14.	ಪಹಣಿ	ಪಹಣಿ	81	2-02	-	2-02	4-02	ಖುಷ್ಕಿ	82	80	55	88, 89
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
15.	ಪಹಣಿ	ಪಹಣಿ	82	4-00	-	4-00	7-84	ಖುಷ್ಕಿ	83, 87	81, 88	55	63
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
16.	ನಾಗರಾಜ ಬಿನ್ ಲೇ	ನಾಗರಾಜ ಬಿನ್	83	2-04	0-02	2-02	4-02	ಖುಷ್ಕಿ	84	82	55	86, 87
	ಪಾಪಣ್ಣ	ಲೇ ಪಾಪಣ್ಣ										
	ಆರ್.ಸಿ.ಸುಜಾತ ಕೋಂ	ಆರ್.ಸಿ.ಸುಜಾತ										
	ವಿ.ರವೀಂದ್ರ,	ಕೋಂ										
	ಆರ್.ಸಿ.ಸುಜಾತ ಕೋಂ	ವಿ.ರವೀಂದ್ರ										
	ವಿ.ರವೀಂದ್ರ											
17.	ಪಹಣಿ	ಪಹಣಿ	84	2-14	-	2-14	4-61	ಖುಷ್ಕಿ	ಮಾಕಲಸಣ್ಣ ಹಳ್ಳಿ ಗಡಿ	83, 55	55	85
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ							ಹಳ್ಳಿ 1109			
18.	ಪಹಣಿ	ಪಹಣಿ	85	3-06	0-20	2-26	5-20	ಖುಷ್ಕಿ	ಕಾಗತ್ತಿ	86	84	31
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ							ಗಡಿ			
19.	ಪಹಣಿ	ಪಹಣಿ	86	1-39	-	1-39	3-88	ಖುಷ್ಕಿ	85	87	83	31
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
20.	ಪಹಣಿ	ಪಹಣಿ	87	2-01	-	2-01	3-98	ಖುಷ್ಕಿ	86	82	83, 82	31
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
21.	ಪಹಣಿ	ಪಹಣಿ	88	2-02	-	2-02	4-02	ಖುಷ್ಕಿ	82	89	81	63
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
22.	ಪಹಣಿ	ಪಹಣಿ	89	3-39	-	3-39	7-80	ಖುಷ್ಕಿ	88	90	80, 81	62, 63
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
23.	ಪಹಣಿ	ಪಹಣಿ	90	2-05	-	2-05	4-17	ಖುಷ್ಕಿ	89	91	80	62
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
24.	ಪಹಣಿ	ಪಹಣಿ	91	4-06	-	4-06	8-14	ಖುಷ್ಕಿ	90	92	79, 80	31
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ										
25.	ಪಹಣಿ	ಪಹಣಿ	92	4-03	-	4-03	8-00	ಖುಷ್ಕಿ	91	77	77, 78,	31
	ಲಭ್ಯವಿರುವುದಿಲ್ಲ	ಲಭ್ಯವಿರುವುದಿಲ್ಲ									79	
			ఒట్పు	93-04	35-11	59-33						

ಭಾಗ ೩ ಕರ್ನಾಟಕ ರಾಜ್ಯಪತ್ರ, ಗುರುವಾರ, ೨೩, ಜನವರಿ, ೨೦೨೫

೧೦೫೯

<u>-:: ಘೋಷ್ವಾರೆ ::-</u>

ಕ್ರ.ಸಂ.	ಗ್ರಾಮದ ಹೆಸರು	ವಿಸ್ತೀರ್ಣ					
		ಐನು ಎ-ಗು	ಖರಾಬು ಎ-ಗು	ಬಾಕಿ ಎ-ಗು			
1	ಬಡಗವಾರಹಳ್ಳಿ	93-04	35-11	59-33			
	ఒట్కు	93-04	35-11	59-33			

ಕರ್ನಾಟಕ ರಾಜ್ಯಪಾಲರ ಆದೇಶಾನುಸಾರ ಮತ್ತು ಅವರ ಹೆಸರಿನಲ್ಲಿ

(ಸಿ.ವಿ ಹರಿದಾಸನ್) ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ, ವಾಣಿಜ್ಯ ಮತ್ತು ಕೈಗಾರಿಕೆ ಇಲಾಖೆ(ಕೈ.ಅ)

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